

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0016	Overall LMA Rating	Total LMA Miles						
Sacramento River West Side Levee District	A	49.64						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.02%	0.17			
Encroachments	0.06		0.06	0.12%	5.93	0.01		
Animal Control	0.05		0.05	0.10%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					1.21	0.04		
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.12	0.00	0.12	0.24%	7.31	0.05	0.00	0.00
Unit No. 01 Sacramento River RB	Overall Unit Rating	Total Unit Miles						
NA0016	A	49.64						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.02%	0.17			
Encroachments	0.06		0.06	0.12%	5.93	0.01		
Animal Control	0.05		0.05	0.10%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					1.21	0.04		
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.12	0.00	0.12	0.24%	7.31	0.05	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Fall 2019 Levee Inspection Results****Sacramento River West Side Levee District**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Sacramento River West Side Levee District

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	49.64
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/2/2019 - 4/3/2019		10/22/2019 - 10/22/2019	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Gary Marler RD0108		Gary Marler RD0108	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start		Rating **	A	Issue No.	27
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_NA0016_01_s_2013_27				
Comment Code					
Inspector Comment					
District has the levee O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	28
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_NA0016_01_s_2013_28				
Comment Code					
Inspector Comment					
District maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	35
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_NA0016_01_s_2013_35				
Comment Code					
Inspector Comment					
District has flood response plans and maintains flood response training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	M	Issue No.	1551	
LM End	0.14	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.801427 °	38.801427 °	
				-121.725158 °	-121.725158 °	
DWR ID	20223					
Comment Code						
Inspector Comment						
DS_ID:20223 FS_ID:55790 EP_NO: 12149 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Telephone cable is disconnected on the pole. If telephone line is abandoned has to be done properly. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1.5-inch galvanized steel telephone conduit through the levee, 5.0 feet below the crown. (Permit No. 12149, 1977 - Continental Telephone Company of California). Line originates at pole on landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 9/30/2019						

Photo 1 of 3 : UCIP_FA_2019_55790_82901.jpg



Conduit enters levee LS slope at the pole

LM Start	0.14	Rating **	M	Issue No.	1551 (cont)
LM End	0.14	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55790_82902.jpg



Disconnected cable on top of the pole

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	M	Issue No.	1551 (cont)	
LM End	0.14	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.801427 °		38.801427 °
				-121.725158 °		-121.725158 °
DWR ID	20223					
Comment Code						
Inspector Comment						
DS_ID:20223 FS_ID:55790 EP_NO: 12149 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Telephone cable is disconnected on the pole. If telephone line is abandoned has to be done properly. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1.5-inch galvanized steel telephone conduit through the levee, 5.0 feet below the crown. (Permit No. 12149, 1977 - Continental Telephone Company of California). Line originates at pole on landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 9/30/2019						

Photo 3 of 3 : UCIP_FA_2019_55790_82903.jpg



Abandoned telephone connection box on LS slope

LM Start	0.14	Rating **	U	Issue No.	1552	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.801471 °		38.801471 °
				-121.725171 °		-121.725171 °
DWR ID	20224					
Comment Code						
Inspector Comment						
DS_ID:20224 FS_ID:55791 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall on WS undermined about 3-4-feet. FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through the levee, 30.0 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pump house with walkway on landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 7:39:29 AM						

Photo 1 of 3 : UCIP_FA_2019_55791_82904.jpg



View of levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	U	Issue No.	1552 (cont)	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.801471 °	38.801471 °	
				-121.725171 °	-121.725171 °	
DWR ID	20224					
Comment Code						
Inspector Comment						
DS_ID:20224 FS_ID:55791 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall on WS undermined about 3-4-feet. FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through the levee, 30.0 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pump house with walkway on landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 7:39:29 AM						

Photo 2 of 3 : UCIP_FA_2019_55791_82909.jpg



View of LS looking from levee crown

LM Start	0.14	Rating **	U	Issue No.	1552 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_55791_82908.jpg



Pipe underneath pump house

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	U	Issue No.	1553	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.801479 °	38.801479 °	
				-121.725176 °	-121.725176 °	
DWR ID	20356					
Comment Code						
Inspector Comment						
DS_ID:20356 FS_ID:55792 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 8:01:37 AM						

LM Start	0.14	Rating **	U	Issue No.	1553 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55792_82912.jpg



View of levee crown at the crossing

Photo 2 of 3 : UCIP_FA_2019_55792_82911.jpg



Pumping plant on LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	U	Issue No.	1553 (cont)	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.801479°	38.801479°	
				-121.725176°	-121.725176°	
DWR ID	20356					
Comment Code						
Inspector Comment						
DS_ID:20356 FS_ID:55792 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 8:01:37 AM						

Photo 3 of 3 : UCIP_FA_2019_55792_82916.jpg



WS levee slope and air vents

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	U	Issue No.	1554	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.801491°	38.801491°	
				-121.725184°	-121.725184°	
DWR ID	20357					
Comment Code						
Inspector Comment						
DS_ID:20357 FS_ID:55793 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 8:02:02 AM						

LM Start	0.14	Rating **	U	Issue No.	1554 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55793_82917.jpg



Pump house on LS

Photo 2 of 3 : UCIP_FA_2019_55793_82920.jpg



Slide gates at pumphouse on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.14	Rating **	U	Issue No.	1554 (cont)	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.801491 °	38.801491 °	
				-121.725184 °	-121.725184 °	
DWR ID	20357					
Comment Code						
Inspector Comment						
DS_ID:20357 FS_ID:55793 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Erosion around headwall on WS progresses. Roger Cornwell who is a head of an irrigation district that operates the plant has been notified. Needs to run pumps to see if erosion is caused by leaking pipe(s). (O.Yakimov - DWR UCIP)03/12/2013 Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 9/30/2019 8:02:02 AM						

Photo 3 of 3 : UCIP_FA_2019_55793_82921.jpg



Pump house view from LS looking towards levee

LM Start	0.21	Rating **	M	Issue No.	160
LM End	0.21	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.802262 °	38.802262 °
				-121.725087 °	-121.725087 °
DWR ID	DWR_NA0016_01_f_2019_160				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.22	Rating **	M	Issue No.	1555
LM End	0.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.802293 °	38.802293 °
				-121.724847 °	-121.724847 °
DWR ID	20327				
Comment Code					
Inspector Comment					
DS_ID:20327					
FS_ID:55794					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 09/30/2019 Crossing looks abandoned (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: *ABANDONED* 42-inch drainage pipe of an unknown material through the levee, 28.5 feet below the crown.					
Abandoned in place by plugging with concrete. Headwall on waterside (WS) toe. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 0.22)].					
FS Date: 9/30/2019 9:45:45 AM					

Photo 1 of 2 : UCIP_FA_2019_55794_82922.jpg



Ruins of a structure on LS

LM Start	0.22	Rating **	M	Issue No.	1555 (cont)
LM End	0.22	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2019_55794_82923.jpg



Concrete headwall and chute located at WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.23	Rating **	M	Issue No.	1556	
LM End	0.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.802349°	38.802349°	
				-121.724590°	-121.724590°	
DWR ID	20328					
Comment Code						
Inspector Comment						
DS_ID:20328						
FS_ID:55795						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 09/30/2019 Top of concrete headwall visible on LS slope. Crossing looks abandoned (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 6-inch pipe of an unknown type and material through the levee, 10.3 feet below the crown. Abandoned by plugging with concrete. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 0.23)].						
FS Date: 9/30/2019						

Photo 1 of 1 : UCIP_FA_2019_55795_82925.jpg



Concrete headwall on LS slope

LM Start	0.30	Rating **	M	Issue No.	1557	
LM End	0.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.803007 °	38.803007 °	
				-121.724131 °	-121.724131 °	
DWR ID	20320					
Comment Code						
Inspector Comment						
DS_ID:20320						
FS_ID:55796						
EP_NO: 17131						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 09/30/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 12-inch high-density polyethylene communications conduit through the levee, 50 feet below the crown, containing fiber optics cables. (Permit No. 17131, 2000 - Level 3 Communications, LLC).						
FS Date: 9/30/2019 10:06:45 AM						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.33	Rating **	M	Issue No.	1558
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.803379 °	38.803379 °
				-121.724154 °	-121.724154 °
DWR ID	20225				
Comment Code					
Inspector Comment					
DS_ID:20225					
FS_ID:55797					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 09/30/2019 Abandoned concrete bulkhead on WS shoulder visible. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 36-inch steel irrigation pipe through the levee, 18.3 feet below the crown. Steel plates bolted on the crown. Steel plates bolted on the waterside (WS) end. Pipes plugged with concrete. Concrete bulkhead on the WS slope. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.32)].					
FS Date: 9/30/2019 10:10:23 AM					

Photo 1 of 3 : UCIP_FA_2019_55797_82926.jpg



View of WS looking from levee crown

LM Start	0.33	Rating **	M	Issue No.	1558 (cont)
LM End	0.33	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55797_82927.jpg



View of LS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

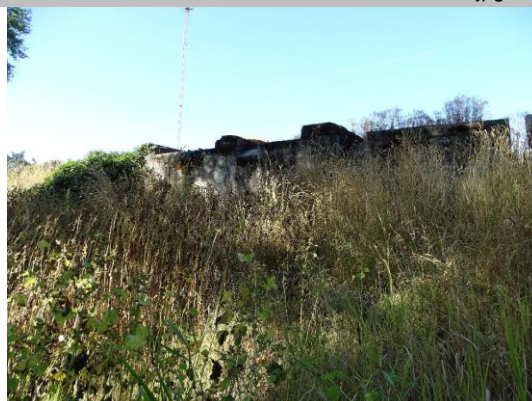
Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.33	Rating **	M	Issue No.	1558 (cont)	
LM End	0.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.803379 °		38.803379 °
				-121.724154 °		-121.724154 °
DWR ID	20225					
Comment Code						
Inspector Comment						
DS_ID:20225						
FS_ID:55797						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 09/30/2019 Abandoned concrete bulkhead on WS shoulder visible. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 36-inch steel irrigation pipe through the levee, 18.3 feet below the crown. Steel plates bolted on the crown. Steel plates bolted on the waterside (WS) end. Pipes plugged with concrete. Concrete bulkhead on the WS slope. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.32)].						
FS Date: 9/30/2019 10:10:23 AM						

Photo 3 of 3 : UCIP_FA_2019_55797_82928.jpg



Concrete bulkhead on the WS slope

LM Start	0.33	Rating **	M	Issue No.	1559
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.803407 °	38.803407 °
				-121.724156 °	-121.724156 °
DWR ID	20358				
Comment Code					
Inspector Comment					
DS_ID:20358					
FS_ID:55798					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 09/30/2019 Abandoned concrete bulkhead on WS shoulder visible. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 36-inch steel irrigation pipe through the levee, 18.3 feet below the crown. Steel plates bolted on the crown. Steel plates bolted on the waterside (WS) end. Pipes plugged with concrete. Concrete bulkhead on the WS slope. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.32)].					
FS Date: 9/30/2019					

Photo 1 of 3 : UCIP_FA_2019_55798_82929.jpg



View of WS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.33	Rating **	M	Issue No.	1559 (cont)	
LM End	0.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.803407 °	38.803407 °	
				-121.724156 °	-121.724156 °	
DWR ID	20358					
Comment Code						
Inspector Comment						
DS_ID:20358						
FS_ID:55798						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 09/30/2019 Abandoned concrete bulkhead on WS shoulder visible. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 36-inch steel irrigation pipe through the levee, 18.3 feet below the crown. Steel plates bolted on the crown. Steel plates bolted on the waterside (WS) end. Pipes plugged with concrete. Concrete bulkhead on the WS slope. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.32)].						
FS Date: 9/30/2019						

Photo 2 of 3 : UCIP_FA_2019_55798_82930.jpg



View of LS looking from levee crown

LM Start	0.33	Rating **	M	Issue No.	1559 (cont)
LM End	0.33	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_55798_82931.jpg



Concrete bulkhead on the WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.33	Rating **	M	Issue No.	1560	
LM End	0.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.803433 °		38.803433 °
				-121.724158 °		-121.724158 °
DWR ID	20359					
Comment Code						
Inspector Comment						
DS_ID:20359						
FS_ID:55799						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 09/30/2019 Abandoned concrete bulkhead on WS shoulder visible. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 36-inch steel irrigation pipe through the levee, 18.3 feet below the crown. Steel plates bolted on the crown. Steel plates bolted on the waterside (WS) end. Pipes plugged with concrete. Concrete bulkhead on the WS slope. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.32)].						
FS Date: 9/30/2019 10:17:27 AM						

Photo 1 of 3 : UCIP_FA_2019_55799_82932.jpg



View of WS looking from levee crown

LM Start	0.33	Rating **	M	Issue No.	1560 (cont)
LM End	0.33	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55799_82933.jpg



View of LS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

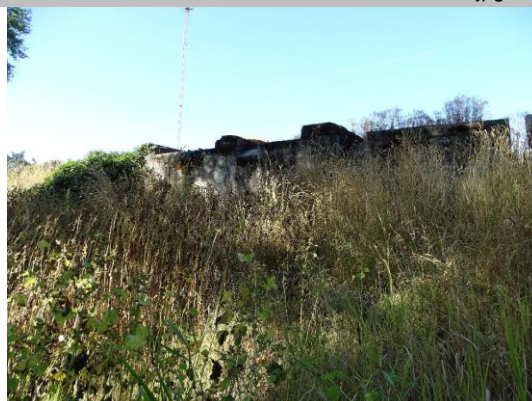
Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	0.33	Rating **	M	Issue No.	1560 (cont)					
LM End	0.33	Issue Type +	En	Location *						
Category	Supplemental			GPS Latitude/Longitude						
				Start	End					
Item	DRAFT DWR UCIP Field Study			38.803433 °	38.803433 °					
				-121.724158 °	-121.724158 °					
DWR ID	20359									
Comment Code										
Inspector Comment										
DS_ID:20359 FS_ID:55799 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 09/30/2019 Abandoned concrete bulkhead on WS shoulder visible. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 36-inch steel irrigation pipe through the levee, 18.3 feet below the crown. Steel plates bolted on the crown. Steel plates bolted on the waterside (WS) end. Pipes plugged with concrete. Concrete bulkhead on the WS slope. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.32)]. FS Date: 9/30/2019 10:17:27 AM										

Photo 3 of 3 : UCIP_FA_2019_55799_82934.jpg



Concrete bulkhead on the WS slope

LM Start	2.09	Rating **	C	Issue No.	76					
LM End	2.09	Issue Type +	Ma	Location *	WS					
Category	Earthen Levee			GPS Latitude/Longitude						
				Start	End					
Item	Encroachments			38.828597 °	38.828597 °					
				-121.726049 °	-121.726049 °					
DWR ID	DWR_NA0016_01_s_2019_76									
Comment Code										
TR : Tree or limb										
Inspector Comment										
A fallen tree is located on the waterside slope.										

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	2.40	Rating **	M	Issue No.	1550
LM End	2.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.832295 °	38.832295 °
				-121.729408 °	-121.729408 °
DWR ID	DWR_NA0016_01_f_2013_1550				
Comment Code					
EQ : Equipment					
Inspector Comment					
Equipment is located at the levee toe.					

Photo 1 of 3 : FA_2019_NA0016_435_1550_20191023_00281.jpg



View of equipment and debris at the landside toe. Fall 2019.

LM Start	2.40	Rating **	M	Issue No.	1550 (cont)
LM End	2.40	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA_2019_NA0016_435_1550_20190829_00068.jpg



Pieces of machinery and debris at the levee toe. Spring 2014

LM Start	2.40	Rating **	M	Issue No.	1550 (cont)
LM End	2.40	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2019_NA0016_435_1550_20190829_00069.jpg

View of the machinery along the landward levee toe looking upstream.
Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	2.54	Rating **	M	Issue No.	161
LM End	2.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.833804 °	38.833804 °	
			-121.731076 °	-121.731076 °	
DWR ID	DWR_NA0016_01_f_2019_161				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen limbs at the waterside toe.					

No Photos

LM Start	3.05	Rating **	M	Issue No.	1561
LM End	3.05	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.840646 °	38.840646 °	
			-121.730238 °	-121.730238 °	
DWR ID	20417				
Comment Code					
Inspector Comment					
DS_ID:20417 FS_ID:55801 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 09/30/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3-inch pipe of an unknown type and material through the levee, 6 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.08)]. FS Date: 9/30/2019 12:41:21 PM					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	3.54	Rating **	M	Issue No.	1562	
LM End	3.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.846492 °	38.846492 °	
				-121.730066 °	-121.730066 °	
DWR ID	20331					
Comment Code						
Inspector Comment						
DS_ID:20331 FS_ID:55802 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 5-foot by 5-foot reinforced concrete box drainage tunnel through the levee, 33 feet below the crown. Slide gate at outlet on the waterside (WS) toe. Tunnel runs from concrete U-shaped riser unit on the landside (LS) shoulder to the WS toe. Steel walkway to slide gate actuator on the WS berm. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)]. FS Date: 9/30/2019 12:53:17 PM						

LM Start	3.54	Rating **	M	Issue No.	1562 (cont)
LM End	3.54	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55802_82942.jpg



View of LS looking from levee crown

Photo 2 of 3 : UCIP_FA_2019_55802_82944.jpg



Top of concrete distribution box. Two filling pipes are coming from pump house.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	3.54	Rating **	M	Issue No.	1562 (cont)	
LM End	3.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.846492 °	38.846492 °	
				-121.730066 °	-121.730066 °	
DWR ID	20331					
Comment Code						
Inspector Comment						
DS_ID:20331 FS_ID:55802 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 5-foot by 5-foot reinforced concrete box drainage tunnel through the levee, 33 feet below the crown. Slide gate at outlet on the waterside (WS) toe. Tunnel runs from concrete U-shaped riser unit on the landside (LS) shoulder to the WS toe. Steel walkway to slide gate actuator on the WS berm. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)]. FS Date: 9/30/2019 12:53:17 PM						

Photo 3 of 3 : UCIP_FA_2019_55802_82943.jpg



Concrete distribution box on LS slope

LM Start	3.54	Rating **	M	Issue No.	1563	
LM End	3.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.846492 °		38.846492 °
				-121.730046 °		-121.730046 °
DWR ID	20329					
Comment Code						
Inspector Comment						
DS_ID:20329						
FS_ID:55803						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 09/30/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 2: 18-inch drainage pipe of an unknown material through the levee, 18 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)].						
FS Date: 9/30/2019						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	3.54	Rating **	M	Issue No.	1564	
LM End	3.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.846496 °	38.846496 °	
				-121.730045 °	-121.730045 °	
DWR ID	20227					
Comment Code						
Inspector Comment						
DS_ID:20227 FS_ID:55804 EP_NO: 1684 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 09/30/2019 Unable to find an indicator of pipe. Concrete distribution box is covered with metal grating sheet not letting look down inside the box. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 44-inch steel storm drainage pipe through the levee, 25 feet below the crown. Slide gate on both ends. Siphon breaker on the waterside (WS). Two concrete cutoff walls. Metal walkway to slide gate on the WS. (Permit No. 1684, 1952 - River Farms Company of California). Pipe discharges into 5-foot by 5-foot concrete tunnel. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960, (HLM 3.59), listed as a 42-inch pipe, 14.5 feet below the crown]. FS Date: 9/30/2019						

LM Start	3.54	Rating **	M	Issue No.	1564 (cont)
LM End	3.54	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2019_55804_82946.jpg



Concrete distribution box at LS toe

Photo 2 of 2 : UCIP_FA_2019_55804_82947.jpg



44-inch pipe discharges into 5' x 5' concrete tunnel at the bottom of this box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	3.54	Rating **	M	Issue No.	1565	
LM End	3.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.846516 °	38.846516 °	
				-121.730040 °	-121.730040 °	
DWR ID	20360					
Comment Code						
Inspector Comment						
DS_ID:20360						
FS_ID:55805						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 09/30/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 2 of 2: 18-inch drainage pipe of an unknown material through the levee, 18 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)].						
FS Date: 9/30/2019 1:33:47 PM						

No Photos

LM Start	3.54	Rating **	M	Issue No.	1566	
LM End	3.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.846541 °		38.846541 °
				-121.730056 °		-121.730056 °
DWR ID	20330					
Comment Code						
Inspector Comment						
DS_ID:20330						
FS_ID:55806						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 09/30/2019 Pipe not found on waterside. As observed on LS, 42-inch pipe plugged with soil, concrete, and pieces of CMP. Need to do proper abandonment of the pipe. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 42-inch drainage pipe of an unknown material through the levee, 14.5 feet below the crown. Bolted steel plate on one end. Concrete pump platform on the landside (LS). Concrete pipe support/headwall visible inside short tunnel on the LS slope. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)].						
FS Date: 9/30/2019 1:37:24 PM						

Photo 1 of 3 : UCIP_FA_2019_55806_82949.jpg



Disrupted structure at LS toe with stairs on the top of channel

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	3.54	Rating **	M	Issue No.	1566 (cont)	
LM End	3.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.846541 °		38.846541 °
				-121.730056 °		-121.730056 °
DWR ID	20330					
Comment Code						
Inspector Comment						
DS_ID:20330 FS_ID:55806 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 09/30/2019 Pipe not found on waterside. As observed on LS, 42-inch pipe plugged with soil, concrete, and pieces of CMP. Need to do proper abandonment of the pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 42-inch drainage pipe of an unknown material through the levee, 14.5 feet below the crown. Bolted steel plate on one end. Concrete pump platform on the landside (LS). Concrete pipe support/headwall visible inside short tunnel on the LS slope. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)]. FS Date: 9/30/2019 1:37:24 PM						

Photo 2 of 3 : UCIP_FA_2019_55806_82950.jpg



Disrupted structure with a channel where headwall and pipe observed

LM Start	3.54	Rating **	M	Issue No.	1566 (cont)
LM End	3.54	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_55806_82948.jpg



Pipe and headwall on LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	3.56	Rating **	M	Issue No.	8
LM End	3.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.846785 °	38.850758 °
				-121.729995 °	-121.725263 °
DWR ID	DWR_NA0016_01_s_2012_8				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete lined ditch runs along the levee toe.					

Photo 1 of 1 : FA_2019_NA0016_435_8_20190829_00001.jpg



View of the ditch on the landward side of the levee looking upstream. Spring 2016.

LM Start	4.80	Rating **	M	Issue No.	9
LM End	4.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.859446 °	38.859446 °
				-121.732774 °	-121.732774 °
DWR ID	DWR_NA0016_01_s_2012_9				
Comment Code					
FE : Fence					
Inspector Comment					
A chain link fence runs along levee toe.					

Photo 1 of 1 : FA_2019_NA0016_435_9_20190829_00002.jpg



View of the chain link fence along the landward levee toe looking upstream. The fence does not obstruct the view. Fall 2015.

LM Start	5.81	Rating **	C	Issue No.	77
LM End	5.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.866770 °	38.866770 °
				-121.747840 °	-121.747840 °
DWR ID	DWR_NA0016_01_s_2019_77				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	5.87	Rating **	M	Issue No.	162
LM End	5.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.867647 °	38.867647 °
				-121.748183 °	-121.748183 °
DWR ID	DWR_NA0016_01_f_2019_162				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen limbs on the waterside slope and toe.					

No Photos

LM Start	6.82	Rating **	M	Issue No.	1567	
LM End	6.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.864862 °	38.864862 °	
				-121.757516 °	-121.757516 °	
DWR ID	20228					
Comment Code						
Inspector Comment						
DS_ID:20228						
FS_ID:10129						
EP_NO: 1297						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: See DSID 25126 of replacement pipe						
Leak at flowmeter on WS berm may become problem in near future.						
FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 16-inch steel irrigation pipe through the levee, 5.2 feet below the crown. Slant pumps in a metal pump house on the waterside (WS) bank, supported on a steel structure. Pipes discharge into a 9.5-foot by 12-foot concrete distribution box on the landside (LS). Sparline flow meter on pipes near the WS toe. (Permit No. 1297, 1948 - River Farms Company of California; removed under Permit No. 8501, 2012 - River Garden Farms, Inc.). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 6.89) listed as a 14-inch pipe].						
FS Date: 3/12/2013						

Photo 1 of 3 : UCIP_FA_2019_10129_17291.jpg



Minor leak at flowmeter on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	6.82	Rating **	M	Issue No.	1567 (cont)	
LM End	6.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.864862°	38.864862°	
				-121.757516°	-121.757516°	
DWR ID	20228					
Comment Code						
Inspector Comment						
DS_ID:20228 FS_ID:10129 EP_NO: 1297 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: See DSID 25126 of replacement pipe Leak at flowmeter on WS berm may become problem in near future. FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 16-inch steel irrigation pipe through the levee, 5.2 feet below the crown. Slant pumps in a metal pump house on the waterside (WS) bank, supported on a steel structure. Pipes discharge into a 9.5-foot by 12-foot concrete distribution box on the landside (LS). Sparline flow meter on pipes near the WS toe. (Permit No. 1297, 1948 - River Farms Company of California; removed under Permit No. 8501, 2012 - River Garden Farms, Inc.). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 6.89) listed as a 14-inch pipe]. FS Date: 3/12/2013						

LM Start	6.82	Rating **	M	Issue No.	1567 (cont)
LM End	6.82	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_10129_17290.jpg



Pumphouse and steps on WS.

Photo 3 of 3 : UCIP_FA_2019_10129_17289.jpg



Pipe and fish screen ramp on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	7.86	Rating **	M	Issue No.	1568
LM End	7.86	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.861018 °	38.861018 °
				-121.769651 °	-121.769651 °
DWR ID	20428				
Comment Code					
Inspector Comment					
DS_ID:20428 FS_ID:55828 EP_NO: 18206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 Unable to find permit for structure modification. Modification includes: Timber walkway to pump house removed, CMP riser with siphon breaker on LS shoulder removed, poer pole next to CB on LS installed, flap gate in CB on LS removed, CMP raiser with bolted flange plate at pump house installed. (O.Yakimov - DWR UCIP)03/13/2013 Flap gates rusted through at concrete distribution box on LS toe. FIELD_STRUCT_DESC: 1 of 2: 20-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Slant pump inside pump house on the waterside (WS) berm. Siphon breaker inside corrugated metal riser unit on the shoulder. Flap gate on pipe inside concrete distribution box on the landside (LS). Wooden steps on both slopes. (Permit No. 18206, 2007 - River Garden Farms). (Replaced 20-inch pipe installed under Permit No. 9377, 1974 - Faye Properties, Inc.). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 11/7/2019 9:44:04 AM					

LM Start	7.86	Rating **	M	Issue No.	1568 (cont)
LM End	7.86	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55828_83047.jpg



View of levee crown at the crossing

Photo 2 of 3 : UCIP_FA_2019_55828_83048.jpg



View inside of concrete distribution box on LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	7.86	Rating **	M	Issue No.	1568 (cont)	
LM End	7.86	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.861018 °	38.861018 °	
				-121.769651 °	-121.769651 °	
DWR ID	20428					
Comment Code						
Inspector Comment						
DS_ID:20428 FS_ID:55828 EP_NO: 18206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/07/2019 Unable to find permit for structure modification. Modification includes: Timber walkway to pump house removed, CMP riser with siphon breaker on LS shoulder removed, poer pole next to CB on LS installed, flap gate in CB on LS removed, CMP raiser with bolted flange plate at pump house installed. (O.Yakimov - DWR UCIP)03/13/2013 Flap gates rusted through at concrete distribution box on LS toe. FIELD_STRUCT_DESC: 1 of 2: 20-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Slant pump inside pump house on the waterside (WS) berm. Siphon breaker inside corrugated metal riser unit on the shoulder. Flap gate on pipe inside concrete distribution box on the landside (LS). Wooden steps on both slopes. (Permit No. 18206, 2007 - River Garden Farms). (Replaced 20-inch pipe installed under Permit No. 9377, 1974 - Faye Properties, Inc.). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 11/7/2019 9:44:04 AM						

Photo 3 of 3 : UCIP_FA_2019_55828_83049.jpg



Concrete distribution box near LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	7.86	Rating **	M	Issue No.	1569
LM End	7.86	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.861017 °	38.861017 °
				-121.769658 °	-121.769658 °
DWR ID	20427				

Comment Code

Inspector Comment

DS_ID:20427
 FS_ID:55831
 EP_NO: 18206
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 11/07/2019 Unable to find permit for structure modification. Modification includes: Timber walkway to pump house removed, CMP riser with siphon breaker on LS shoulder removed, poer pole next to CB on LS installed, flap gate in CB on LS removed, CMP raiser with bolted flange plate at pump house installed. (O.Yakimov - DWR UCIP03/13/2013 Flap gates rusted through at LS distribution box.
 FIELD_STRUCT_DESC: 2 of 2: 16-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Slant pump inside pump house on the waterside (WS) berm. Siphon breaker inside corrugated metal riser unit on the shoulder. Flap gate on pipe inside concrete distribution box on the landside (LS). Wooden steps on both slopes. (Permit No. 18206, 2007 - River Garden Farms). (Replaced 16-inch pipe installed under Permit No. 9377, 1974 - Faye Properties, Inc.). [Additional Reference(s): DWR Levee Log, 2006].
 FS Date: 11/7/2019 10:19:28 AM

LM Start	7.86	Rating **	M	Issue No.	1569 (cont)
LM End	7.86	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55831_83059.jpg



View of WS looking from levee crown

Photo 2 of 3 : UCIP_FA_2019_55831_83058.jpg



View of LS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

Photo 3 of 3 : UCIP_FA_2019_55831_83060.jpg



Pump house on WS

Photo 1 of 4 : FA_2019_NA0016_435_112_20190829_00043.jpg



View of erosion on the waterside berm. Spring 2019.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.55	Rating **	A/W	Issue No.	112 (cont)	
LM End	8.55	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.857422 °	38.857422 °	
				-121.780870 °	-121.780870 °	
DWR ID	DWR_NA0016_01_s_2018_112					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Location on waterside berm where oak tree fell and removed soil around the roots. Appears to be stable, but recommend monitoring.						

Photo 2 of 4 : FA_2019_NA0016_435_112_20190829_00044.jpg



View of the berm where the oak tree used to stand, facing the Sacramento River. Spring 2018.

LM Start	8.55	Rating **	A/W	Issue No.	112 (cont)
LM End	8.55	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA_2019_NA0016_435_112_20190829_00045.jpg



View of the remaining roots, facing upstream. Spring 2018.

LM Start	8.55	Rating **	A/W	Issue No.	112 (cont)
LM End	8.55	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA_2019_NA0016_435_112_20190829_00046.jpg



Additional view of the berm. Spring 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.89	Rating **	M	Issue No.	1570	
LM End	8.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.856531 °	38.856531 °	
				-121.785605 °	-121.785605 °	
DWR ID	20230					
Comment Code						
Inspector Comment						
DS_ID:20230 FS_ID:55837 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 1 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage pipe through the levee, 26.5 feet below the crown. Gate valves on the waterside (WS) ends of the pipes. Walkway provided to the control valves and around the pump house on the landside (LS). Pipes originate in a large concrete pool at the pump house on the LS. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:08:36 AM						

LM Start	8.89	Rating **	M	Issue No.	1570 (cont)
LM End	8.89	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55837_83095.jpg



Headwall, slide gate, pipe in river channel

Photo 2 of 3 : UCIP_FA_2019_55837_83075.jpg



Walkway to slide gate actuators on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.89	Rating **	M	Issue No.	1570 (cont)	
LM End	8.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.856531 °	38.856531 °	
				-121.785605 °	-121.785605 °	
DWR ID	20230					
Comment Code						
Inspector Comment						
DS_ID:20230 FS_ID:55837 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 1 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage pipe through the levee, 26.5 feet below the crown. Gate valves on the waterside (WS) ends of the pipes. Walkway provided to the control valves and around the pump house on the landside (LS). Pipes originate in a large concrete pool at the pump house on the LS. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:08:36 AM						

Photo 3 of 3 : UCIP_FA_2019_55837_83096.jpg



LS view of pumping plant looking from irrigation canal

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1571
LM End	8.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.856554 °	38.856554 °
				-121.785613 °	-121.785613 °
DWR ID	20361				
Comment Code					
Inspector Comment					
DS_ID:20361 FS_ID:55838 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 2 of 4: 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the gate valves on the waterside (WS) shoulder. Pipe not visible on landside (LS) toe. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; now work was done in 2013 at this location). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:11:30 AM					

Photo 1 of 3 : UCIP_FA_2019_55838_83077.jpg



Walkway to slide gate actuators on WS shoulder

LM Start	8.90	Rating **	M	Issue No.	1571 (cont)
LM End	8.90	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55838_83078.jpg



Pipes and slide gates at outlet onWS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1571 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.856554 °	38.856554 °	
				-121.785613 °	-121.785613 °	
DWR ID	20361					
Comment Code						
Inspector Comment						
DS_ID:20361 FS_ID:55838 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 2 of 4: 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the gate valves on the waterside (WS) shoulder. Pipe not visible on landside (LS) toe. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; now work was done in 2013 at this location). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:11:30 AM						

Photo 3 of 3 : UCIP_FA_2019_55838_17317.jpg



Pipe missing from intake structure on LS of pumphouse.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1572
LM End	8.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.856572 °	38.856572 °
				-121.785620 °	-121.785620 °
DWR ID	20362				
Comment Code					
Inspector Comment					
DS_ID:20362 FS_ID:55839 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 3 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves inside the pump house. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:13:11 AM					

LM Start	8.90	Rating **	M	Issue No.	1572 (cont)
LM End	8.90	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55839_83079.jpg



Slide gate actuators on platform at WS shoulder

Photo 2 of 3 : UCIP_FA_2019_55839_83080.jpg



Pipes and slide gates at outlet on WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1572 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.856572 °	38.856572 °	
				-121.785620 °	-121.785620 °	
DWR ID	20362					
Comment Code						
Inspector Comment						
DS_ID:20362 FS_ID:55839 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 3 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves inside the pump house. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 11:13:11 AM						

Photo 3 of 3 : UCIP_FA_2019_55839_17321.jpg



Pipes at inlet on LS of pumphouse.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1573	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.856608 °	38.856608 °	
				-121.785622 °	-121.785622 °	
DWR ID	20363					
Comment Code						
Inspector Comment						
DS_ID:20363 FS_ID:55836 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Pipe outlet on WS has been modified to serve at inlet. Pipe runs down to a sump in river channel. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 4 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 10:56:50 AM						

Photo 1 of 3 : UCIP_FA_2019_55836_83072.jpg



Walkway to slide gate actuators on WS shoulder

LM Start	8.90	Rating **	M	Issue No.	1573 (cont)
LM End	8.90	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55836_83073.jpg



Headwall, slide gate, pipe in river channel

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	8.90	Rating **	M	Issue No.	1573 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.856608 °	38.856608 °	
				-121.785622 °	-121.785622 °	
DWR ID	20363					
Comment Code						
Inspector Comment						
DS_ID:20363 FS_ID:55836 EP_NO: 9376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Pipe outlet on WS has been modified to serve at inlet. Pipe runs down to a sump in river channel. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 4 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 9/30/2019 10:56:50 AM						

Photo 3 of 3 : UCIP_FA_2019_55836_83074.jpg



LS view of pumping plant looking from irrigation canal

LM Start	9.66	Rating **	M	Issue No.	163
LM End	9.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.862241 °	38.862241 °
				-121.790973 °	-121.790973 °
DWR ID	DWR_NA0016_01_f_2019_163				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile at the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.68	Rating **	A/W	Issue No.	29
LM End	9.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.862345°	38.862848°
				-121.791337°	-121.793267°
DWR ID	DWR_NA0016_01_s_2012_29				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : FA_2019_NA0016_435_29_20190829_00007.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

LM Start	9.68	Rating **	A/W	Issue No.	29 (cont)
LM End	9.79	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_NA0016_435_29_20190829_00008.jpg



Revegetation site sign. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.75	Rating **	M	Issue No.	1574	
LM End	9.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862615 °	38.862615 °	
				-121.792582 °	-121.792582 °	
DWR ID	20232					
Comment Code						
Inspector Comment						
DS_ID:20232 FS_ID:55842 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gates on walkway at waterside (WS) shoulder. Staff gauge to 47.0 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 9/30/2019 11:47:04 AM						

LM Start	9.75	Rating **	M	Issue No.	1574 (cont)
LM End	9.75	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55842_83088.jpg



Slide gate actuators on WS shoulder

Photo 2 of 3 : UCIP_FA_2019_55842_83097.jpg



Slide gates at concrete headwall at river

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.75	Rating **	M	Issue No.	1574 (cont)	
LM End	9.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862615 °	38.862615 °	
				-121.792582 °	-121.792582 °	
DWR ID	20232					
Comment Code						
Inspector Comment						
DS_ID:20232						
FS_ID:55842						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gates on walkway at waterside (WS) shoulder. Staff gauge to 47.0 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 9/30/2019 11:47:04 AM						

Photo 3 of 3 : UCIP_FA_2019_55842_83098.jpg



Pipes at entrance to pumping plant building on LS toe

LM Start	9.76	Rating **	M	Issue No.	1575
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.862624 °	38.862624 °
				-121.792626 °	-121.792626 °
DWR ID	20364				
Comment Code					
Inspector Comment					
DS_ID:20364					
FS_ID:55843					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 2 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].					
FS Date: 9/30/2019 11:47:39 AM					

Photo 1 of 3 : UCIP_FA_2019_55843_83099.jpg



Slide gate actuators on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1575 (cont)	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862624 °	38.862624 °	
				-121.792626 °	-121.792626 °	
DWR ID	20364					
Comment Code						
Inspector Comment						
DS_ID:20364 FS_ID:55843 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 9/30/2019 11:47:39 AM						

Photo 2 of 3 : UCIP_FA_2019_55843_83100.jpg



Slide gates at concrete headwall at river

LM Start	9.76	Rating **	M	Issue No.	1575 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_55843_83101.jpg



Pipes at entrance to pumping plant building on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1576	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862633 °	38.862633 °	
				-121.792669 °	-121.792669 °	
DWR ID	20365					
Comment Code						
Inspector Comment						
DS_ID:20365 FS_ID:55844 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 9/30/2019 11:48:05 AM						

Photo 1 of 3 : UCIP_FA_2019_55844_83102.jpg



Slide gate actuators on WS shoulder

LM Start	9.76	Rating **	M	Issue No.	1576 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55844_83103.jpg



Slide gates at concrete headwall at river

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1576 (cont)	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862633 °	38.862633 °	
				-121.792669 °	-121.792669 °	
DWR ID	20365					
Comment Code						
Inspector Comment						
DS_ID:20365						
FS_ID:55844						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 3 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 9/30/2019 11:48:05 AM						

Photo 3 of 3 : UCIP_FA_2019_55844_83104.jpg



Pipes at entrance to pumping plant building on LS toe

LM Start	9.76	Rating **	M	Issue No.	1577	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862642 °	38.862642 °	
				-121.792713 °	-121.792713 °	
DWR ID	20366					
Comment Code						
Inspector Comment						
DS_ID:20366						
FS_ID:55845						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 4 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 9/30/2019 11:48:29 AM						

Photo 1 of 3 : UCIP_FA_2019_55845_83105.jpg



Slide gate actuators on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1577 (cont)	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862642 °	38.862642 °	
				-121.792713 °	-121.792713 °	
DWR ID	20366					
Comment Code						
Inspector Comment						
DS_ID:20366						
FS_ID:55845						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 4 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 9/30/2019 11:48:29 AM						

Photo 2 of 3 : UCIP_FA_2019_55845_83106.jpg



Slide gates at concrete headwall at river

LM Start	9.76	Rating **	M	Issue No.	1577 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_55845_83107.jpg



Pipes at entrance to pumping plant building on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1578	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.862650 °	38.862650 °	
				-121.792754 °	-121.792754 °	
DWR ID	20367					
Comment Code						
Inspector Comment						
DS_ID:20367						
FS_ID:55846						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 5 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 9/30/2019 11:48:54 AM						

Photo 1 of 3 : UCIP_FA_2019_55846_83108.jpg



Slide gate actuators on WS shoulder

LM Start	9.76	Rating **	M	Issue No.	1578 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55846_83109.jpg



Slide gates at concrete headwall at river

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	9.76	Rating **	M	Issue No.	1578 (cont)	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.862650 °		38.862650 °
				-121.792754 °		-121.792754 °
DWR ID	20367					
Comment Code						
Inspector Comment						
DS_ID:20367						
FS_ID:55846						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 5 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 9/30/2019 11:48:54 AM						

Photo 3 of 3 : UCIP_FA_2019_55846_83110.jpg



Pipes at entrance to pumping plant building on LS toe

LM Start	10.15	Rating **	M	Issue No.	164
LM End	10.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.865217 °	38.865217 °
				-121.797667 °	-121.797667 °
DWR ID	DWR_NA0016_01_f_2019_164				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile on the landside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	10.66	Rating **	M	Issue No.	106
LM End	10.80	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.866474 °	38.868426 °
				-121.803711 °	-121.803732 °
DWR ID	DWR_NA0016_01_f_2019_106				
Comment Code					
CR : Crops					
Inspector Comment					
A walnut orchard is located on the waterside berm.					

Photo 1 of 1 : FA_2019_NA0016_435_106_20190829_00040.jpg



View of walnut orchard on the waterside berm. Fall 2018.

LM Start	10.67	Rating **	M	Issue No.	165
LM End	10.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.866599 °	38.866599 °
				-121.803668 °	-121.803668 °
DWR ID	DWR_NA0016_01_f_2019_165				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile at the landside toe.					

No Photos

LM Start	11.50	Rating **	A/W	Issue No.	84
LM End	11.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.874854 °	38.875109 °
				-121.813018 °	-121.813592 °
DWR ID	DWR_NA0016_01_f_2018_84				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 101.3 R					
Status: Eroding					
2017 Field Notes: No observed change..					
Site History: 1997 - Toe damage and loss of cobble revetment and small patch of local damage to the cobble revetment. 2000 - Cohesive vertical toe; revegetation site.					

Photo 1 of 1 : FA_2019_NA0016_435_84_20190829_00022.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	12.28	Rating **	M	Issue No.	1579	
LM End	12.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.884428 °	38.884428 °	
				-121.817163 °	-121.817163 °	
DWR ID	20233					
Comment Code						
Inspector Comment						
DS_ID:20233						
FS_ID:55856						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 09/30/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 9-inch corrugated metal drainage pipe through the levee, at an unknown depth. Installed prior to 1974. Pipe debris at LM 12.38 includes a 9-inch CMP. [Additional Reference(s): DWR Levee Log, 2006].						
FS Date: 9/30/2019 1:53:01 PM						

Photo 1 of 3 : UCIP_FA_2019_55856_17368.jpg



Pipe debris on LS shoulder at LM 12.38 includes a 9-inch CMP.

LM Start	12.28	Rating **	M	Issue No.	1579 (cont)
LM End	12.28	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55856_83111.jpg



Enter photo 1 description or comment here.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	12.28	Rating **	M	Issue No.	1579 (cont)
LM End	12.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.884428 °	38.884428 °
				-121.817163 °	-121.817163 °
DWR ID	20233				
Comment Code					
Inspector Comment					
DS_ID:20233 FS_ID:55856 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 09/30/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 9-inch corrugated metal drainage pipe through the levee, at an unknown depth. Installed prior to 1974. Pipe debris at LM 12.38 includes a 9-inch CMP. [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 9/30/2019 1:53:01 PM					

Photo 3 of 3 : UCIP_FA_2019_55856_83112.jpg



Enter photo 2 description or comment here.

LM Start	12.61	Rating **	C	Issue No.	78
LM End	12.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.888761 °	38.888761 °
				-121.814375 °	-121.814375 °
DWR ID	DWR_NA0016_01_s_2019_78				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	12.82	Rating **	M	Issue No.	230
LM End	13.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.890985 °	38.903612 °
				-121.811742 °	-121.805881 °
DWR ID	DWR_NA0016_01_s_2017_230				
Comment Code					
DT : Ditch					
Inspector Comment					
A concrete lined ditch is located along landside levee toe.					

No Photos

LM Start	14.09	Rating **	M	Issue No.	1580	
LM End	14.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.906235 °	38.906235 °	
				-121.807284 °	-121.807284 °	
DWR ID	20433					
Comment Code						
Inspector Comment						
DS_ID:20433						
FS_ID:55858						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 Permit is not available for this crossing.						
(O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1.5-inch galvanized steel electrical conduit						
through the levee, at an unknown depth. Provides service to pump on						
the waterside (WS).						
FS Date: 9/30/2019 1:59:39 PM						

Photo 1 of 3 : UCIP_FA_2019_55858_83114.jpg



View of levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	14.09	Rating **	M	Issue No.	1580 (cont)	
LM End	14.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.906235°	38.906235°	
				-121.807284°	-121.807284°	
DWR ID	20433					
Comment Code						
Inspector Comment						
DS_ID:20433						
FS_ID:55858						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/30/2019 Permit is not available for this crossing.						
(O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1.5-inch galvanized steel electrical conduit						
through the levee, at an unknown depth. Provides service to pump on						
the waterside (WS).						
FS Date: 9/30/2019 1:59:39 PM						

Photo 2 of 3 : UCIP_FA_2019_55858_83115.jpg



Service pole at LS toe

LM Start	14.09	Rating **	M	Issue No.	1580 (cont)
LM End	14.09	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_55858_83116.jpg



Conduit exits levee at WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	14.36	Rating **	M	Issue No.	1581
LM End	14.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.908034 °	38.908034 °
				-121.811747 °	-121.811747 °
DWR ID	20235				
Comment Code					
Inspector Comment					
DS_ID:20235 FS_ID:55860 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 09/30/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 36-inch steel irrigation pipe through the levee, 28 feet below the crown. Slide gates on the waterside (WS) ends. Grouted in place. No above-ground appurtenances remain. (Permit No. 9354, 1974 - Reclamation District No. 108). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 14.53)]. FS Date: 9/30/2019 2:47:36 PM					

LM Start	14.36	Rating **	M	Issue No.	1581 (cont)
LM End	14.36	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2019_55860_27169.jpg



Pipe barrier along WS berm at approximate location of abandoned pumping plant.

Photo 2 of 2 : UCIP_FA_2019_55860_27168.jpg



Site of abandoned pumping plant.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	14.36	Rating **	M	Issue No.	1582	
LM End	14.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.908038 °	38.908038 °	
				-121.811759 °	-121.811759 °	
DWR ID	20333					
Comment Code						
Inspector Comment						
DS_ID:20333						
FS_ID:55861						
EP_NO: 9354						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 09/30/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 48-inch concrete encased steel irrigation pipe through the levee, 29 feet below the crown. Slide gate on the waterside (WS) end. Grouted in place. No above ground appurtenances remain. (Permit No. 9354, 1974 - Reclamation District No. 108). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 14.53)].						
FS Date: 9/30/2019 2:49:03 PM						

LM Start	14.36	Rating **	M	Issue No.	1582 (cont)
LM End	14.36	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2019_55861_27171.jpg



Location of abandoned pumping plant to left of tree.

Photo 2 of 2 : UCIP_FA_2019_55861_27170.jpg



Location of abandoned pumping plant between large trees.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	14.36	Rating **	M	Issue No.	1583	
LM End	14.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.908042 °	38.908042 °	
				-121.811771 °	-121.811771 °	
DWR ID	20236					
Comment Code						
Inspector Comment						
DS_ID:20236 FS_ID:55862 EP_NO: 2887 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 09/30/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel irrigation pipe through the levee, 2.7 feet below the crown. Vertical pump on the waterside (WS) end. Siphon breaker on the landside (LS) shoulder. (Permit No. 2887, 1958 - Reclamation District No. 108). Grouted in place. No above-ground appurtenances remain. [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 9/30/2019 2:49:21 PM						

Photo 1 of 2 : UCIP_FA_2019_55862_27173.jpg



Location of abandoned pumping plant WS.

LM Start	14.36	Rating **	M	Issue No.	1583 (cont)
LM End	14.36	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2019_55862_27172.jpg



Location of abandoned pumping plant LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	14.36	Rating **	M	Issue No.	1584
LM End	14.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.908045 °	38.908045 °
				-121.811778 °	-121.811778 °
DWR ID	20375				
Comment Code					
Inspector Comment					
DS_ID:20375 FS_ID:55863 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 09/30/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 36-inch steel irrigation pipe through the levee, 28 feet below the crown. Slide gate on the waterside (WS) end. Grouted in place. No above-ground appurtenances remain. (Permit No. 9354, 1974 - Reclamation District No. 108). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 14.53)]. FS Date: 9/30/2019					

LM Start	14.36	Rating **	M	Issue No.	1584 (cont)
LM End	14.36	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2019_55863_27175.jpg



Location of abandoned pumping plant WS.

Photo 2 of 2 : UCIP_FA_2019_55863_27174.jpg



Enter photo 2 description or comment here LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	14.36	Rating **	M	Issue No.	1585	
LM End	14.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.908053°	38.908053°	
				-121.811799°	-121.811799°	
DWR ID	20237					
Comment Code						
Inspector Comment						
DS_ID:20237						
FS_ID:55864						
EP_NO: 3630						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 09/30/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel irrigation pipe through the levee, 5 feet below the crown. Vertical pump unit on the waterside (WS). Siphon breaker on the landside (LS). Concrete distribution box on the LS. Walkway provided to pumps. (Permit No. 3630, 1961 - Reclamation District No. 108). Grouted in place. No above-ground appurtenances remain. [Additional Reference(s): DWR Levee Log, 2006].						
FS Date: 9/30/2019 2:50:07 PM						

Photo 1 of 2 : UCIP_FA_2019_55864_27167.jpg



Location of abandoned pumping plant WS.

LM Start	14.36	Rating **	M	Issue No.	1585 (cont)
LM End	14.36	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2019_55864_27166.jpg



Location of abandoned pumping plant LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	14.49	Rating **	M	Issue No.	166
LM End	14.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.909062°	38.909062°	
			-121.813712°	-121.813712°	
DWR ID	DWR_NA0016_01_f_2019_166				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes on the landside slope. The LMA has placed bait stations.					

No Photos

LM Start	14.77	Rating **	C	Issue No.	107
LM End	14.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.912188°	38.912188°	
			-121.816825°	-121.816825°	
DWR ID	DWR_NA0016_01_f_2018_107				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are less than 5 holes on the landside slope. LMA has a bait station. Recommend monitoring.					

No Photos

LM Start	14.77	Rating **	C	Issue No.	79
LM End	14.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.912223°	38.912223°	
			-121.816836°	-121.816836°	
DWR ID	DWR_NA0016_01_s_2019_79				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	15.09	Rating **	M	Issue No.	167
LM End	15.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.916206°	38.916206°	
			-121.817752°	-121.817752°	
DWR ID	DWR_NA0016_01_f_2019_167				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are 3 rodent holes on the landside toe.					

No Photos

LM Start	15.20	Rating **	M	Issue No.	168
LM End	15.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.916970°	38.916970°	
			-121.819389°	-121.819389°	
DWR ID	DWR_NA0016_01_f_2019_168				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are two large mounds at the landside toe.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	16.22	Rating **	M	Issue No.	1586
LM End	16.22	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.923407 °	38.923407 °
				-121.834588 °	-121.834588 °
DWR ID	20432				
Comment Code					
Inspector Comment					
DS_ID:20432 FS_ID:55882 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Permit is not available for this crossing. (O.Yakimov - DWR UCIP)03/13/2013 Need to determine if this is a permitted crossing as it was not previously noted. Need to determine size and depth below the crown. FIELD_STRUCT_DESC: Gas line of an unknown material and diameter through the levee, at an unknown depth. Marker on waterside (WS) shoulder. FS Date: 9/30/2019 3:40:38 PM					

Photo 1 of 3 : UCIP_FA_2019_55882_83117.jpg



View of levee crown at the crossing

LM Start	16.22	Rating **	M	Issue No.	1586 (cont)
LM End	16.22	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55882_83118.jpg



Gas line marker on WS. One at WS shoulder and another off levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	16.22	Rating **	M	Issue No.	1586 (cont)	
LM End	16.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.923407°	38.923407°	
				-121.834588°	-121.834588°	
DWR ID	20432					
Comment Code						
Inspector Comment						
DS_ID:20432 FS_ID:55882 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/30/2019 Permit is not available for this crossing. (O.Yakimov - DWR UCIP)03/13/2013 Need to determine if this is a permitted crossing as it was not previously noted. Need to determine size and depth below the crown. FIELD_STRUCT_DESC: Gas line of an unknown material and diameter through the levee, at an unknown depth. Marker on waterside (WS) shoulder. FS Date: 9/30/2019 3:40:38 PM						

Photo 3 of 3 : UCIP_FA_2019_55882_83119.jpg



Gas line marker on LS. Two markers installed on both sides of irrigation ditch

LM Start	17.94	Rating **	M	Issue No.	1587	
LM End	17.94	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.942979 °		38.942979 °
				-121.837030 °		-121.837030 °
DWR ID	22957					
Comment Code						
Inspector Comment						
DS_ID:22957 FS_ID:55890 EP_NO: 18026 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Warning sign of buried 12kV electrical line installed on LS shoulder. No as-built drawing that shows alignment found. (O.Yakimov - DWR UCIP)03/13/2013 Conduit needs to be located and signs installed where it crosses the levee crown. FIELD_STRUCT_DESC: Electrical conduit of an unknown material and diameter through the levee, at an unknown depth. Signage on the landside (LS) shoulder. (Permit No. 18026, 2006 - Reclamation District No. 108). FS Date: 10/1/2019 7:50:52 AM						

Photo 1 of 2 : UCIP_FA_2019_55890_83135.jpg



Warning sign on LS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	17.94	Rating **	M	Issue No.	1587 (cont)	
LM End	17.94	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.942979 °	38.942979 °	
				-121.837030 °	-121.837030 °	
DWR ID	22957					
Comment Code						
Inspector Comment						
DS_ID:22957						
FS_ID:55890						
EP_NO: 18026						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 10/01/2019 Warning sign of buried 12kV electrical line installed on LS shoulder. No as-built drawing that shows alignment found. (O.Yakimov - DWR UCIP)03/13/2013 Conduit needs to be located and signs installed where it crosses the levee crown.						
FIELD_STRUCT_DESC: Electrical conduit of an unknown material and diameter through the levee, at an unknown depth. Signage on the landside (LS) shoulder. (Permit No. 18026, 2006 - Reclamation District No. 108).						
FS Date: 10/1/2019 7:50:52 AM						

Photo 2 of 2 : UCIP_FA_2019_55890_83136.jpg



Warning sign on LS shoulder

LM Start	18.20	Rating **	M	Issue No.	15
LM End	18.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.946674 °	38.950263 °
				-121.837528 °	-121.837768 °
DWR ID	DWR_NA0016_01_s_2012_15				
Comment Code					
DT : Ditch					
Inspector Comment					
A concrete lined ditch runs along the toe of the levee.					

Photo 1 of 1 : FA_2019_NA0016_435_15_20190829_00003.jpg

View of the ditch on the landward side of the levee looking upstream.
Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	18.23	Rating **	M	Issue No.	80
LM End	18.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.947041°	38.947041°	
			-121.837440°	-121.837440°	
DWR ID	DWR_NA0016_01_s_2019_80				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

LM Start	18.27	Rating **	M	Issue No.	169
LM End	18.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.947652°	38.947652°	
			-121.837358°	-121.837358°	
DWR ID	DWR_NA0016_01_f_2019_169				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	18.52	Rating **	M	Issue No.	1588	
LM End	18.52	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.951135°	38.951135°	
				-121.838113°	-121.838113°	
DWR ID	20240					
Comment Code						
Inspector Comment						
DS_ID:20240 FS_ID:55894 EP_NO: 4938B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Crossing not in use. Property manager confirmed that a pump at riverbank has been removed and electrical puply was disconnected. Water to WS is supplied through a hose above levee crown. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1-inch galvanized iron electrical conduit through the levee, 1 foot below the crown. Conduit supplies power to 8-inch pump and pipe on the waterside (WS) slope. Pump supplies water to sprinklers on the WS slope. (Permit No. 4938-A, 1974 - Owner Unknown). FS Date: 10/1/2019 8:17:23 AM						

LM Start	18.52	Rating **	M	Issue No.	1588 (cont)
LM End	18.52	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55894_83143.jpg



Electrical conduit at edge of concrete base of grainery

Photo 2 of 3 : UCIP_FA_2019_55894_83144.jpg



Electrical conduit at former pipe support on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	18.52	Rating **	M	Issue No.	1588 (cont)	
LM End	18.52	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.951135 °	38.951135 °	
				-121.838113 °	-121.838113 °	
DWR ID	20240					
Comment Code						
Inspector Comment						
DS_ID:20240						
FS_ID:55894						
EP_NO: 4938B						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 10/01/2019 Crossing not in use. Property manager confirmed that a pump at riverbank has been removed and electrical puply was disconnected. Water to WS is supplied through a hose above levee crown. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1-inch galvanized iron electrical conduit through the levee, 1 foot below the crown. Conduit supplies power to 8-inch pump and pipe on the waterside (WS) slope. Pump supplies water to sprinklers on the WS slope. (Permit No. 4938-A, 1974 - Owner Unknown).						
FS Date: 10/1/2019 8:17:23 AM						

Photo 3 of 3 : UCIP_FA_2019_55894_83145.jpg



Cutoff 8-inch pipe that was used to provide water for sprinklers on WS

LM Start	18.66	Rating **	M	Issue No.	173
LM End	18.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.952765 °	38.953219 °
				-121.839661 °	-121.840199 °
DWR ID	DWR_NA0016_01_s_2019_173				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Permit number 16487. Owner needs to maintain/trim vegetation.					

Photo 1 of 2 : FA_2019_NA0016_435_173_20190829_00065.jpg



View of the landscaping on the landward side of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	18.66	Rating **	M	Issue No.	173 (cont)	
LM End	18.70	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.952765 °		38.953219 °
				-121.839661 °		-121.840199 °
DWR ID	DWR_NA0016_01_s_2019_173					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Permit number 16487. Owner needs to maintain/trim vegetation.						

Photo 2 of 2 : FA_2019_NA0016_435_173_20190829_00066.jpg



Irrigated landscaping on landside slope of the levee reaching levee crown. Fall 2016 inspection.

LM Start	18.76	Rating **	A/W	Issue No.	121
LM End	18.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.954060 °	38.954312 °
				-121.840560 °	-121.840774 °
DWR ID	DWR_NA0016_01_s_2012_2				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:9					
Site Designation:DWR_NA0016_01_s_2012_2					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/28/2017					
Notes: near abandoned pump intake					
Scheduled for repair.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	18.76	Rating **	A/W	Issue No.	85
LM End	18.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.954060 °	38.954312 °
				-121.840560 °	-121.840774 °
DWR ID	DWR_NA0016_01_f_2018_85				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 111.0 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2009 - Minor erosion, should be repaired under maintenance. 2011 - Some new minor erosion at the toe.					

Photo 1 of 1 : FA_2019_NA0016_435_85_20190829_00023.jpg



USACE 2013 Photo #1

LM Start	18.78	Rating **	M	Issue No.	1589	
LM End	18.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.954188 °	38.954188 °	
				-121.841045 °	-121.841045 °	
DWR ID	20386					
Comment Code						
Inspector Comment						
DS_ID:20386 FS_ID:55896 EP_NO: 1359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/01/2019 Pipe not visible on WS. Water level in distribution box is too high to see the pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 3: 18-inch drainage discharge pipe of an unknown material through the levee, 14 feet below the crown. Lift station is a good indicator of the location. (Permit No. 1359, 1948 - Reclamation District No. 108). [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 19.02)]. FS Date: 10/1/2019 8:51:29 AM						

Photo 1 of 3 : UCIP_FA_2019_55896_83154.jpg



Lift station on LS at levee toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	18.78	Rating **	M	Issue No.	1589 (cont)
LM End	18.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.954188 °	38.954188 °
				-121.841045 °	-121.841045 °
DWR ID	20386				
Comment Code					
Inspector Comment					
DS_ID:20386 FS_ID:55896 EP_NO: 1359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/01/2019 Pipe not visible on WS. Water level in distribution box is too high to see the pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 3: 18-inch drainage discharge pipe of an unknown material through the levee, 14 feet below the crown. Lift station is a good indicator of the location. (Permit No. 1359, 1948 - Reclamation District No. 108). [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 19.02)]. FS Date: 10/1/2019 8:51:29 AM					

Photo 2 of 3 : UCIP_FA_2019_55896_83155.jpg



View of WS looking from levee crown

LM Start	18.78	Rating **	M	Issue No.	1589 (cont)
LM End	18.78	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_55896_83156.jpg



Pumps in irrigation canal on LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	18.79	Rating **	M	Issue No.	1590
LM End	18.79	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.954200 °	38.954200 °
				-121.841055 °	-121.841055 °
DWR ID	20387				
Comment Code					
Inspector Comment					
DS_ID:20387 FS_ID:55898 EP_NO: 1359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/01/2019 Pipe not visible on WS. Water level in distribution box is too high to see the pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3 of 3: 24-inch drainage discharge pipe of an unknown material through the levee, 12.5 feet below the crown. Lift station is a good indicator of the location. (Permit No. 1359, 1948 - Reclamation District No. 108). [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 19.02)]. FS Date: 10/1/2019 9:09:41 AM					

Photo 1 of 3 : UCIP_FA_2019_55898_83151.jpg



Lift station on LS at levee toe

LM Start	18.79	Rating **	M	Issue No.	1590 (cont)
LM End	18.79	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55898_83152.jpg



View of WS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	18.79	Rating **	M	Issue No.	1590 (cont)	
LM End	18.79	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.954200 °	38.954200 °	
				-121.841055 °	-121.841055 °	
DWR ID	20387					
Comment Code						
Inspector Comment						
DS_ID:20387 FS_ID:55898 EP_NO: 1359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/01/2019 Pipe not visible on WS. Water level in distribution box is too high to see the pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3 of 3: 24-inch drainage discharge pipe of an unknown material through the levee, 12.5 feet below the crown. Lift station is a good indicator of the location. (Permit No. 1359, 1948 - Reclamation District No. 108). [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 19.02)]. FS Date: 10/1/2019 9:09:41 AM						

Photo 3 of 3 : UCIP_FA_2019_55898_83153.jpg



Pumps in irrigation canal on LS

LM Start	18.83	Rating **	M	Issue No.	1591
LM End	18.83	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.954734 °	38.954734 °
				-121.841418 °	-121.841418 °
DWR ID	20303				
Comment Code					
Inspector Comment					
DS_ID:20303 FS_ID:55897 EP_NO: 9325 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/01/2019 Crossing not found. According to the permit pipe is located upstream of the lift station. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel irrigation pipe through the levee, 8 feet below the crown. Gate valve on the waterside (WS) end. Lift station good indicator of location. (Automatic Board Order (ABO) issued as Permit No. 9325, 1974 - Leda B. Miller). [Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 130, May 1960 (HLM 19.04)]. FS Date: 10/1/2019 8:59:03 AM					

Photo 1 of 2 : UCIP_FA_2019_55897_83149.jpg



View of WS at potential crossing looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	18.83	Rating **	M	Issue No.	1591 (cont)	
LM End	18.83	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.954734 °	38.954734 °	
				-121.841418 °	-121.841418 °	
DWR ID	20303					
Comment Code						
Inspector Comment						
DS_ID:20303						
FS_ID:55897						
EP_NO: 9325						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 10/01/2019 Crossing not found. According to the permit pipe is located upstream of the lift station. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel irrigation pipe through the levee, 8 feet below the crown. Gate valve on the waterside (WS) end. Lift station good indicator of location. (Automatic Board Order (ABO) issued as Permit No. 9325, 1974 - Leda B. Miller).						
[Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 130, May 1960 (HLM 19.04)].						
FS Date: 10/1/2019 8:59:03 AM						

Photo 2 of 2 : UCIP_FA_2019_55897_83150.jpg



View of LS at potential crossing looking from levee crown

LM Start	18.83	Rating **	M	Issue No.	22
LM End	18.88	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.954756 °	38.955499 °
				-121.841432 °	-121.841271 °
DWR ID	DWR_NA0016_01_s_2012_22				
Comment Code					
DT : Ditch					
Inspector Comment					
A concrete lined ditch is located on the landside.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	19.08	Rating **	M	Issue No.	1592	
LM End	19.08	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.956897 °	38.956897 °	
				-121.838015 °	-121.838015 °	
DWR ID	20335					
Comment Code						
Inspector Comment						
DS_ID:20335						
FS_ID:55902						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 10/01/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 6-foot by 6-foot reinforced concrete box irrigation culvert through the levee, 31.5 feet below the crown. Pump on the waterside (WS). [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 19.30)].						
FS Date: 10/1/2019 10:28:24 AM						

No Photos

LM Start	19.12	Rating **	M	Issue No.	26
LM End	19.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.957180°	38.957180°
				-121.837442°	-121.837442°
DWR ID	DWR_NA0016_01_s_2012_26				
Comment Code					
EQ : Equipment					
Inspector Comment					
Beehives and tank are located on the landside slope.					

Photo 1 of 2 : FA_2019_NA0016_435_26_20190829_00005.jpg



View of equipment and beehives. Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	19.12	Rating **	M	Issue No.	26 (cont)	
LM End	19.12	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.957180 °	38.957180 °	
				-121.837442 °	-121.837442 °	
DWR ID	DWR_NA0016_01_s_2012_26					
Comment Code						
EQ : Equipment						
Inspector Comment						
Beehives and tank are located on the landside slope.						

Photo 2 of 2 : FA_2019_NA0016_435_26_20190829_00006.jpg



View of the equipment on the crown of the levee looking upstream. Spring 2016.

LM Start	19.12	Rating **	M	Issue No.	1593	
LM End	19.12	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.957185 °	38.957185 °	
				-121.837383 °	-121.837383 °	
DWR ID	20245					
Comment Code						
Inspector Comment						
DS_ID:20245						
FS_ID:55903						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 10/01/2019 Crossing not found. Residuals of a smaller diameter pipe found at this location. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 17.5 feet below the crown. Slide gate on the landside (LS) slope toe.						
[Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 19.36)].						
FS Date: 10/1/2019 11:22:14 AM						

Photo 1 of 1 : UCIP_FA_2019_55903_83157.jpg



Residuals of a smaller diameter pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	19.15	Rating **	M	Issue No.	31
LM End	19.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.957405 °	38.962648 °
				-121.836965 °	-121.834368 °
DWR ID	DWR_NA0016_01_s_2012_31				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete lined ditch up to LM 19.40. Soil ditch continues on until LM 19.61.					

Photo 1 of 2 : FA_2019_NA0016_435_31_20190829_00011.jpg



View of the ditch on the landward side of the levee looking upstream. Spring 2016.

LM Start	19.15	Rating **	M	Issue No.	31 (cont)
LM End	19.61	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_NA0016_435_31_20190829_00012.jpg



Concrete lined ditch stops at levee mile 19.40.

LM Start	19.37	Rating **	M	Issue No.	96
LM End	19.37	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.959642 °	38.959642 °
				-121.834004 °	-121.834004 °
DWR ID	DWR_NA0016_01_s_2015_96				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0016_435_96_20190829_00034.jpg



View of the building on the waterward side of the levee looking upstream. Spring 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	19.50	Rating **	M	Issue No.	1594	
LM End	19.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.961221 °	38.961221 °	
				-121.833230 °	-121.833230 °	
DWR ID	20246					
Comment Code						
Inspector Comment						
DS_ID:20246 FS_ID:55904 EP_NO: 1507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Crossing not in use. Sediment and debris observed inside of the pipe and concrete distribution box on LS. (O.Yakimov - DWR UCIP)03/13/2013 Pipe appears abandoned. Needs to be abandoned properly. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 8.4 feet below the crown. Gate valve on the waterside (WS). Siphon breaker inside a 24-inch corrugated metal riser unit on the landside (LS) slope. Concrete distribution box inside an irrigation ditch on the LS toe. (Permit No. 1507, 1950 - Morgan Miller Jr.). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 19.74)]. FS Date: 10/1/2019 11:27:39 AM						

LM Start	19.50	Rating **	M	Issue No.	1594 (cont)
LM End	19.50	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55904_83158.jpg



CMP riser on shoulder and concrete distribution box at LS toe

Photo 2 of 3 : UCIP_FA_2019_55904_83159.jpg



View of WS looking from levee crown. Gate valve wasn't found.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

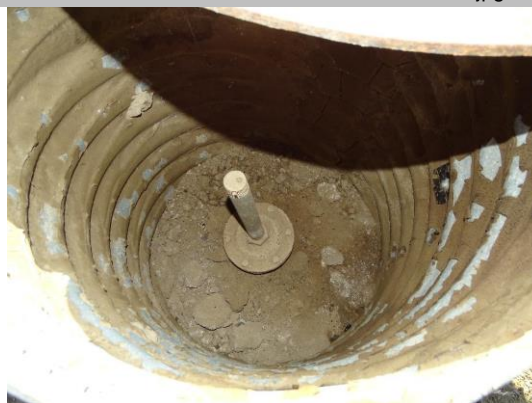
Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	19.50	Rating **	M	Issue No.	1594 (cont)
LM End	19.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.961221 °	38.961221 °
				-121.833230 °	-121.833230 °
DWR ID	20246				
Comment Code					
Inspector Comment					
DS_ID:20246 FS_ID:55904 EP_NO: 1507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Crossing not in use. Sediment and debris observed inside of the pipe and concrete distribution box on LS. (O.Yakimov - DWR UCIP)03/13/2013 Pipe appears abandoned. Needs to be abandoned properly. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 8.4 feet below the crown. Gate valve on the waterside (WS). Siphon breaker inside a 24-inch corrugated metal riser unit on the landside (LS) slope. Concrete distribution box inside an irrigation ditch on the LS toe. (Permit No. 1507, 1950 - Morgan Miller Jr.). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 19.74)]. FS Date: 10/1/2019 11:27:39 AM					

Photo 3 of 3 : UCIP_FA_2019_55904_83160.jpg



Siphon breaker inside of CMP riser on LS slope

LM Start	20.02	Rating **	M	Issue No.	1595
LM End	20.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.968342 °	38.968342 °
				-121.835613 °	-121.835613 °
DWR ID	20336				
Comment Code					
Inspector Comment					
DS_ID:20336 FS_ID:55905 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/01/2019 Crossing not found. A well and concrete box on LS are not connected with this crossing. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 6-inch irrigation pipe of an unknown material through the levee, 5 feet below the crown. Pump on the waterside (WS). [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 20.25)]. FS Date: 10/1/2019 11:36:17 AM					

Photo 1 of 3 : UCIP_FA_2019_55905_83163.jpg



A well and concrete box on LS don't belong to this crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	20.02	Rating **	M	Issue No.	1595 (cont)	
LM End	20.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.968342 °	38.968342 °	
				-121.835613 °	-121.835613 °	
DWR ID	20336					
Comment Code						
Inspector Comment						
DS_ID:20336 FS_ID:55905 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/01/2019 Crossing not found. A well and concrete box on LS are not connected with this crossing. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 6-inch irrigation pipe of an unknown material through the levee, 5 feet below the crown. Pump on the waterside (WS). [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 20.25)]. FS Date: 10/1/2019 11:36:17 AM						

LM Start	20.02	Rating **	M	Issue No.	1595 (cont)
LM End	20.02	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55905_83164.jpg



A well and concrete box

Photo 3 of 3 : UCIP_FA_2019_55905_83165.jpg



View inside of concrete box on LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	20.92	Rating **	M	Issue No.	32
LM End	22.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.974864 °	38.989476 °
				-121.822286 °	-121.816760 °
DWR ID	DWR_NA0016_01_s_2012_32				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	22.08	Rating **	M	Issue No.	1596
LM End	22.08	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.989445 °	38.989445 °
				-121.816804 °	-121.816804 °
DWR ID	20337				
Comment Code					
Inspector Comment					
DS_ID:20337 FS_ID:55906 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/01/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 16-inch irrigation pipe of an unknown material through the levee, 2.5 feet below the crown. Likely replaced by 18-inch pipes at the same location. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 22.35)]. FS Date: 10/1/2019 11:41:43 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	22.09	Rating **	M	Issue No.	1597	
LM End	22.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.989466 °	38.989466 °	
				-121.816631 °	-121.816631 °	
DWR ID	20368					
Comment Code						
Inspector Comment						
DS_ID:20368 FS_ID:55909 EP_NO: 2407 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Crossing looks abandoned. Pipe is capped on WS slope. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 18-inch steel irrigation pipe through the levee, 4 feet below the crown. Two slant pumps mounted on a steel pipe structure on the waterside (WS) berm. Siphon breakers on the landside (LS) slope inside a steel riser unit. Distribution box on the LS. Flow meter inside a 2-foot corrugated metal riser unit at the WS toe. (Permit No. 2407, 1956 - Reclamation District No. 108). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 22.36)]. FS Date: 10/1/2019 1:33:20 PM						

LM Start	22.09	Rating **	M	Issue No.	1597 (cont)
LM End	22.09	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55909_83174.jpg



View of levee crown at the crossing

Photo 2 of 3 : UCIP_FA_2019_55909_83178.jpg



View of WS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sacramento River West Side Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	22.12	Rating **	A/W	Issue No.	30 (cont)	
LM End	22.42	Issue Type +	Ob	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.989528 °	38.989722 °	
				-121.816020 °	-121.810488 °	
DWR ID	DWR_NA0016_01_f_2018_30					
Comment Code						
V8 : Environmental Requirements.						
Inspector Comment						

Photo 2 of 2 : FA_2019_NA0016_435_30_20190829_00010.jpg



View of the revegetation on the waterward berm of the levee looking upstream. Spring 2016.

LM Start	22.71	Rating **	M	Issue No.	1598	
LM End	22.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.989862 °		38.989862 °
				-121.805243 °		-121.805243 °
DWR ID	20248					
Comment Code						
Inspector Comment						
DS_ID:20248						
FS_ID:55910						
EP_NO: 9354						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 10/01/2019 Crossing looks abandoned. (O.Yakimov - DWR UCIP)03/13/2013 Pipe needs to be verified as having been properly abandoned.						
FIELD_STRUCT_DESC: 24-inch irrigation pipe of an unknown material through the levee, 19.5 feet below the crown. Abandoned concrete pump house on the waterside (WS) toe. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 22.99)].						
FS Date: 10/1/2019 1:41:18 PM						

Photo 1 of 3 : UCIP_FA_2019_55910_83181.jpg



View of levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	22.71	Rating **	M	Issue No.	1598 (cont)
LM End	22.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.989862 °	38.989862 °
				-121.805243 °	-121.805243 °
DWR ID	20248				
Comment Code					
Inspector Comment					
DS_ID:20248 FS_ID:55910 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Crossing looks abandoned. (O.Yakimov - DWR UCIP)03/13/2013 Pipe needs to be verified as having been properly abandoned. FIELD_STRUCT_DESC: 24-inch irrigation pipe of an unknown material through the levee, 19.5 feet below the crown. Abandoned concrete pump house on the waterside (WS) toe. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 22.99)]. FS Date: 10/1/2019 1:41:18 PM					

LM Start	22.71	Rating **	M	Issue No.	1598 (cont)
LM End	22.71	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55910_83182.jpg



Concrete pumphouse on WS berm

Photo 3 of 3 : UCIP_FA_2019_55910_17489.jpg



Concrete box on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

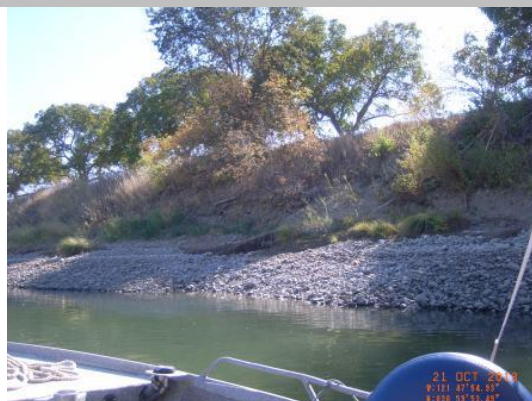
Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	23.55	Rating **	A/W	Issue No.	86
LM End	23.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.997696 °	38.998336 °
				-121.797584 °	-121.799298 °
DWR ID	DWR_NA0016_01_f_2018_86				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 115.9 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2008 - Slippage of cobbles off hard underlying toe material. 2011 - Minor slumping site. 2012 - Failing cobble site, site extended upstream. 2016 - New erosion pockets.					

Photo 1 of 1 : FA_2019_NA0016_435_86_20190829_00024.jpg



USACE 2013 Photo #1

LM Start	23.70	Rating **	M	Issue No.	1599
LM End	23.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.998247 °	38.998247 °
				-121.800236 °	-121.800236 °
DWR ID	20249				
Comment Code					
Inspector Comment					
DS_ID:20249 FS_ID:55911 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Crossing looks abandoned. On WS slope in CMP riser slide gate stem is bent putting slide gate in non-operational condition. Slide gate is currently in closed position. (O.Yakimov - DWR UCIP)03/14/2013 Appears abandoned. Pipe should be properly abandoned. FIELD_STRUCT_DESC: 1 of 4: 36-inch corrugated metal irrigation pipe through the levee, 20 feet below the crown. One corrugated metal cutoff wall installed by the United States Army Corp of Engineers, 1955. Slide gate inside a 36-inch corrugated metal riser unit on the waterside (WS) slope. Pump on the WS bank. Concrete standpipe on the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 24.03)]. FS Date: 10/1/2019 1:45:53 PM					

Photo 1 of 3 : UCIP_FA_2019_55911_83183.jpg



Concrete standpipe on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	23.70	Rating **	M	Issue No.	1599 (cont)	
LM End	23.70	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.998247°	38.998247°	
				-121.800236°	-121.800236°	
DWR ID	20249					
Comment Code						
Inspector Comment						
DS_ID:20249 FS_ID:55911 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Crossing looks abandoned. On WS slope in CMP riser slide gate stem is bent putting slide gate in non-operational condition. Slide gate is currently in closed position. (O.Yakimov - DWR UCIP)03/14/2013 Appears abandoned. Pipe should be properly abandoned. FIELD_STRUCT_DESC: 1 of 4: 36-inch corrugated metal irrigation pipe through the levee, 20 feet below the crown. One corrugated metal cutoff wall installed by the United States Army Corp of Engineers, 1955. Slide gate inside a 36-inch corrugated metal riser unit on the waterside (WS) slope. Pump on the WS bank. Concrete standpipe on the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 24.03)]. FS Date: 10/1/2019 1:45:53 PM						

Photo 2 of 3 : UCIP_FA_2019_55911_83184.jpg



View inside of concrete standpipe on LS toe

LM Start	23.70	Rating **	M	Issue No.	1599 (cont)
LM End	23.70	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_55911_83186.jpg



Bent stem of slide gate in CMP riser on WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	23.84	Rating **	M	Issue No.	1600	
LM End	23.84	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.999449°	38.999449°	
				-121.802371°	-121.802371°	
DWR ID	20338					
Comment Code						
Inspector Comment						
DS_ID:20338						
FS_ID:55912						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 10/01/2019 Crossing not found. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 18-inch pipe of an unknown type and material through the levee, at an unknown depth. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 24.17)].						
FS Date: 10/1/2019 2:04:19 PM						

No Photos

LM Start	24.73	Rating **	M	Issue No.	1601	
LM End	24.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.005097 °	39.005097 °	
				-121.816116 °	-121.816116 °	
DWR ID	20251					
Comment Code						
Inspector Comment						
DS_ID:20251 FS_ID:55914 EP_NO: 9328 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Observed pipe running. No leaks detected. (O.Yakimov - DWR UCIP)03/14/2013 Appears abandoned. Needs to be abandoned properly. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 20 feet below the crown. Slide gate inside a 36-inch corrugated metal riser unit on the waterside (WS) slope. 7-foot by 9-foot distribution box at the toe of the landside (LS) slope. (Automatic Board Order (ABO) issued as Permit No. 9328, 1974 - Wayne A. Hine). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.02)]. FS Date: 10/1/2019 2:28:31 PM						

Photo 1 of 3 : UCIP_FA_2019_55914_83194.jpg



View of WS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	24.73	Rating **	M	Issue No.	1601 (cont)	
LM End	24.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.005097 °	39.005097 °	
				-121.816116 °	-121.816116 °	
DWR ID	20251					
Comment Code						
Inspector Comment						
DS_ID:20251 FS_ID:55914 EP_NO: 9328 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Observed pipe running. No leaks detected. (O.Yakimov - DWR UCIP)03/14/2013 Appears abandoned. Needs to be abandoned properly. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 20 feet below the crown. Slide gate inside a 36-inch corrugated metal riser unit on the waterside (WS) slope. 7-foot by 9-foot distribution box at the toe of the landside (LS) slope. (Automatic Board Order (ABO) issued as Permit No. 9328, 1974 - Wayne A. Hine). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.02)]. FS Date: 10/1/2019 2:28:31 PM						

LM Start	24.73	Rating **	M	Issue No.	1601 (cont)
LM End	24.73	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55914_83195.jpg



View of LS looking from levee crown

Photo 3 of 3 : UCIP_FA_2019_55914_83196.jpg



7-foot by 9-foot distribution box at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.02	Rating **	M	Issue No.	1602	
LM End	25.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.006538 °	39.006538 °	
				-121.821058 °	-121.821058 °	
DWR ID	20339					
Comment Code						
Inspector Comment						
DS_ID:20339 FS_ID:55915 EP_NO: 9330 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP)09/23/2016 - pump in operation during field visit. Gate valve was located on the WS near the powerpole. Visible pipe is a 6 inch on both the LS and WS. 10 inch may be buried within the levee prism, if present. (T. Hatch/UCIP) 09/01/2016 sink hole on WS berm appears to have been repaired. WS pump platform appears unchanged from previous inspection. pipe discharges into canal on LS toe and appears to be encased in concrete under tree on LS toe. (T. Hatch/UCIP) 03/14/2013 Possible sink hole over pipe alignment on WS berm at rivers edge. general condition of pipe and appurtances in disrepair. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 12.3 feet below the crown. 6-inch pipe discharges into a 10-inch pipe on the waterside (WS). Portable pump and gate valve on the WS. Power pole and anchor on the WS shoulder and toe. (Automatic Board Order (ABO) issued as Permit No. 9330, 1974 - Paul Locvich). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.31)]. FS Date: 10/1/2019 2:40:26 PM						

LM Start	25.02	Rating **	M	Issue No.	1602 (cont)
LM End	25.02	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55915_83200.jpg



View of WS looking from levee crown

Photo 2 of 3 : UCIP_FA_2019_55915_83201.jpg



Pump platform and pipe with submersible pump on riverbank

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.02	Rating **	M	Issue No.	1602 (cont)	
LM End	25.02	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.006538 °	39.006538 °	
				-121.821058 °	-121.821058 °	
DWR ID	20339					
Comment Code						
Inspector Comment						
DS_ID:20339 FS_ID:55915 EP_NO: 9330 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP)09/23/2016 - pump in operation during field visit. Gate valve was located on the WS near the powerpole. Visible pipe is a 6 inch on both the LS and WS. 10 inch may be buried within the levee prism, if present. (T. Hatch/UCIP) 09/01/2016 sink hole on WS berm appears to have been repaired. WS pump platform appears unchanged from previous inspection. pipe discharges into canal on LS toe and appears to be encased in concrete under tree on LS toe. (T. Hatch/UCIP) 03/14/2013 Possible sink hole over pipe alignment on WS berm at rivers edge. general condition of pipe and appurtances in disrepair. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 12.3 feet below the crown. 6-inch pipe discharges into a 10-inch pipe on the waterside (WS). Portable pump and gate valve on the WS. Power pole and anchor on the WS shoulder and toe. (Automatic Board Order (ABO) issued as Permit No. 9330, 1974 - Paul Locvich). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.31)]. FS Date: 10/1/2019 2:40:26 PM						

Photo 3 of 3 : UCIP_FA_2019_55915_83202.jpg



6-inch pipe at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.56	Rating **	M	Issue No.	1603
LM End	25.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.012322 °	39.012322 °
				-121.827892 °	-121.827892 °
DWR ID	20252				
Comment Code					
Inspector Comment					
DS_ID:20252 FS_ID:53940 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) 09/21/2017 Reclamation District No. 108 diverts irrigation water from the Sacramento River using the Wilkins Slough Pumping Plant. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Wilkins Slough Pumping Plant] 1 of 6: 5-foot by 5-foot reinforced concrete irrigation culvert through the levee, 40 feet below the crown. Control gates on the landside (LS) and waterside (WS) shoulder. Pump on the WS berm. (six 5-foot by 5-foot culverts [HLM 25.88] authorized under Automatic Board Order (ABO) issued as Permit No. 9354, 1974 - Reclamation District No. 108; plant was upgraded with new fish latter in 2005; positive barrier fish screens authorized under Permit No. 16748, 1997 - Reclamation District No. 108 [RD0108]; other related Permit Nos. include 1359 and 1534). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.88)]. FS Date: 5/6/2019 9:18:12 AM					

LM Start	25.56	Rating **	M	Issue No.	1603 (cont)
LM End	25.56	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53940_79167.jpg



View of pumping station on levee crown.

Photo 2 of 3 : UCIP_FA_2019_53940_79166.jpg



View of slide gate on LS shoulder. Six pipes are crossing levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.56	Rating **	M	Issue No.	1603 (cont)	
LM End	25.56	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.012322°	39.012322°	
				-121.827892°	-121.827892°	
DWR ID	20252					
Comment Code						
Inspector Comment						
DS_ID:20252 FS_ID:53940 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) 09/21/2017 Reclamation District No. 108 diverts irrigation water from the Sacramento River using the Wilkins Slough Pumping Plant. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Wilkins Slough Pumping Plant] 1 of 6: 5-foot by 5-foot reinforced concrete irrigation culvert through the levee, 40 feet below the crown. Control gates on the landside (LS) and waterside (WS) shoulder. Pump on the WS berm. (six 5-foot by 5-foot culverts [HLM 25.88] authorized under Automatic Board Order (ABO) issued as Permit No. 9354, 1974 - Reclamation District No. 108; plant was upgraded with new fish latter in 2005; positive barrier fish screens authorized under Permit No. 16748, 1997 - Reclamation District No. 108 [RD0108]; other related Permit Nos. include 1359 and 1534). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.88)]. FS Date: 5/6/2019 9:18:12 AM						

Photo 3 of 3 : UCIP_FA_2019_53940_17501.jpg



Pumphouse on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.57	Rating **	M	Issue No.	1604 (cont)
LM End	25.57	Issue Type +	En	Location *	

View of slide gate on LS shoulder. Six pipes are crossing levee.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.57	Rating **	M	Issue No.	1604 (cont)	
LM End	25.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.012336 °	39.012336 °	
				-121.827902 °	-121.827902 °	
DWR ID	20370					
Comment Code						
Inspector Comment						
DS_ID:20370 FS_ID:53967 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) 09/21/2017 Reclamation District No. 108 diverts irrigation water from the Sacramento River using the Wilkins Slough Pumping Plant. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Wilkins Slough Pumping Plant] 2 of 6: 5-foot by 5-foot reinforced concrete irrigation culvert through the levee, 40 feet below the crown. Control gates on the landside (LS) and waterside (WS) shoulder. Pump on the WS berm. (six 5-foot by 5-foot culverts [HLM 25.88] authorized under Automatic Board Order (ABO) issued as Permit No. 9354, 1974 - Reclamation District No. 108; plant was upgraded with new fish latter in 2005; positive barrier fish screens authorized under Permit No. 16748, 1997 - Reclamation District No. 108 [RD0108]; other related Permit Nos. include 1359 and 1534). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.88)]. FS Date: 5/6/2019 1:17:47 PM						

Photo 3 of 3 : UCIP_FA_2019_53967_17530.jpg



Pumphouse on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.57	Rating **	M	Issue No.	1605
LM End	25.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.012350 °	39.012350 °
				-121.827912 °	-121.827912 °
DWR ID	20371				
Comment Code					
Inspector Comment					
DS_ID:20371 FS_ID:53968 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/21/2017 Reclamation District No. 108 diverts irrigation water from the Sacramento River using the Wilkins Slough Pumping Plant. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Wilkins Slough Pumping Plant] 3 of 6: 5-foot by 5-foot reinforced concrete irrigation culvert through the levee, 40 feet below the crown. Control gates on the landside (LS) and waterside (WS) shoulder. Pump on the WS berm. (six 5-foot by 5-foot culverts [HLM 25.88] authorized under Automatic Board Order (ABO) issued as Permit No. 9354, 1974 - Reclamation District No. 108; plant was upgraded with new fish latter in 2005; positive barrier fish screens authorized under Permit No. 16748, 1997 - Reclamation District No. 108 [RD0108]; other related Permit Nos. include 1359 and 1534). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.88)]. FS Date: 5/6/2019 1:38:03 PM					

LM Start	25.57	Rating **	M	Issue No.	1605 (cont)
LM End	25.57	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53968_79170.jpg



View of pumping station on levee crown.

Photo 2 of 3 : UCIP_FA_2019_53968_79171.jpg



View of slide gate on LS shoulder. Six pipes are crossing levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.57	Rating **	M	Issue No.	1605 (cont)	
LM End	25.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.012350 °	39.012350 °	
				-121.827912 °	-121.827912 °	
DWR ID	20371					
Comment Code						
Inspector Comment						
DS_ID:20371 FS_ID:53968 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/21/2017 Reclamation District No. 108 diverts irrigation water from the Sacramento River using the Wilkins Slough Pumping Plant. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Wilkins Slough Pumping Plant] 3 of 6: 5-foot by 5-foot reinforced concrete irrigation culvert through the levee, 40 feet below the crown. Control gates on the landside (LS) and waterside (WS) shoulder. Pump on the WS berm. (six 5-foot by 5-foot culverts [HLM 25.88] authorized under Automatic Board Order (ABO) issued as Permit No. 9354, 1974 - Reclamation District No. 108; plant was upgraded with new fish latter in 2005; positive barrier fish screens authorized under Permit No. 16748, 1997 - Reclamation District No. 108 [RD0108]; other related Permit Nos. include 1359 and 1534). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.88)]. FS Date: 5/6/2019 1:38:03 PM						

Photo 3 of 3 : UCIP_FA_2019_53968_17502.jpg



Walkway and gates on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.57	Rating **	M	Issue No.	1606
LM End	25.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.012365 °	39.012365 °
				-121.827921 °	-121.827921 °
DWR ID	20372				
Comment Code					
Inspector Comment					
DS_ID:20372 FS_ID:53969 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/21/2017 Reclamation District No. 108 diverts irrigation water from the Sacramento River using the Wilkins Slough Pumping Plant. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Wilkins Slough Pumping Plant] 4 of 6: 5-foot by 5-foot reinforced concrete irrigation culvert through the levee, 40 feet below the crown. Control gates on the landside (LS) and waterside (WS) shoulder. Pump on the WS berm. (six 5-foot by 5-foot culverts [HLM 25.88] authorized under Automatic Board Order (ABO) issued as Permit No. 9354, 1974 - Reclamation District No. 108; plant was upgraded with new fish latter in 2005; positive barrier fish screens authorized under Permit No. 16748, 1997 - Reclamation District No. 108 [RD0108]; other related Permit Nos. include 1359 and 1534). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.88)]. FS Date: 5/6/2019 1:38:53 PM					

LM Start	25.57	Rating **	M	Issue No.	1606 (cont)
LM End	25.57	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53969_79172.jpg



View of pumping station on levee crown.

Photo 2 of 3 : UCIP_FA_2019_53969_79173.jpg



View of slide gate on LS shoulder. Six pipes are crossing levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.57	Rating **	M	Issue No.	1606 (cont)	
LM End	25.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.012365 °		39.012365 °
				-121.827921 °		-121.827921 °
DWR ID	20372					
Comment Code						
Inspector Comment						
DS_ID:20372 FS_ID:53969 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/21/2017 Reclamation District No. 108 diverts irrigation water from the Sacramento River using the Wilkins Slough Pumping Plant. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Wilkins Slough Pumping Plant] 4 of 6: 5-foot by 5-foot reinforced concrete irrigation culvert through the levee, 40 feet below the crown. Control gates on the landside (LS) and waterside (WS) shoulder. Pump on the WS berm. (six 5-foot by 5-foot culverts [HLM 25.88] authorized under Automatic Board Order (ABO) issued as Permit No. 9354, 1974 - Reclamation District No. 108; plant was upgraded with new fish latter in 2005; positive barrier fish screens authorized under Permit No. 16748, 1997 - Reclamation District No. 108 [RD0108]; other related Permit Nos. include 1359 and 1534). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.88)]. FS Date: 5/6/2019 1:38:53 PM						

Photo 3 of 3 : UCIP_FA_2019_53969_17514.jpg



Walkway and gates along LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.57	Rating **	M	Issue No.	1607
LM End	25.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.012383 °	39.012383 °
				-121.827921 °	-121.827921 °
DWR ID	20373				
Comment Code					
Inspector Comment					
DS_ID:20373 FS_ID:53970 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/21/2017 Reclamation District No. 108 diverts irrigation water from the Sacramento River using the Wilkins Slough Pumping Plant. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Wilkins Slough Pumping Plant] 5 of 6: 5-foot by 5-foot reinforced concrete irrigation culvert through the levee, 40 feet below the crown. Control gates on the landside (LS) and waterside (WS) shoulder. Pump on the WS berm. (six 5-foot by 5-foot culverts [HLM 25.88] authorized under Automatic Board Order (ABO) issued as Permit No. 9354, 1974 - Reclamation District No. 108; plant was upgraded with new fish latter in 2005; positive barrier fish screens authorized under Permit No. 16748, 1997 - Reclamation District No. 108 [RD0108]; other related Permit Nos. include 1359 and 1534). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.88)]. FS Date: 5/6/2019 1:39:29 PM					

LM Start	25.57	Rating **	M	Issue No.	1607 (cont)
LM End	25.57	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53970_79174.jpg



View of pumping station on levee crown.

Photo 2 of 3 : UCIP_FA_2019_53970_79175.jpg



View of slide gate on LS shoulder. Six pipes are crossing levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.57	Rating **	M	Issue No.	1607 (cont)
LM End	25.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.012383 °	39.012383 °
				-121.827921 °	-121.827921 °
DWR ID	20373				
Comment Code					
Inspector Comment					
DS_ID:20373 FS_ID:53970 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/21/2017 Reclamation District No. 108 diverts irrigation water from the Sacramento River using the Wilkins Slough Pumping Plant. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Wilkins Slough Pumping Plant] 5 of 6: 5-foot by 5-foot reinforced concrete irrigation culvert through the levee, 40 feet below the crown. Control gates on the landside (LS) and waterside (WS) shoulder. Pump on the WS berm. (six 5-foot by 5-foot culverts [HLM 25.88] authorized under Automatic Board Order (ABO) issued as Permit No. 9354, 1974 - Reclamation District No. 108; plant was upgraded with new fish latter in 2005; positive barrier fish screens authorized under Permit No. 16748, 1997 - Reclamation District No. 108 [RD0108]; other related Permit Nos. include 1359 and 1534). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.88)]. FS Date: 5/6/2019 1:39:29 PM					

Photo 3 of 3 : UCIP_FA_2019_53970_17519.jpg



Pumphouse on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.57	Rating **	M	Issue No.	1608
LM End	25.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.012401 °	39.012401 °
				-121.827925 °	-121.827925 °
DWR ID	20374				
Comment Code					
Inspector Comment					
DS_ID:20374 FS_ID:53971 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/21/2017 Reclamation District No. 108 diverts irrigation water from the Sacramento River using the Wilkins Slough Pumping Plant. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Wilkins Slough Pumping Plant] 6 of 6: 5-foot by 5-foot reinforced concrete irrigation culvert through the levee, 40 feet below the crown. Control gates on the landside (LS) and waterside (WS) shoulder. Pump on the WS berm. (six 5-foot by 5-foot culverts [HLM 25.88] authorized under Automatic Board Order (ABO) issued as Permit No. 9354, 1974 - Reclamation District No. 108; plant was upgraded with new fish latter in 2005; positive barrier fish screens authorized under Permit No. 16748, 1997 - Reclamation District No. 108 [RD0108]; other related Permit Nos. include 1359 and 1534). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.88)]. FS Date: 5/6/2019 1:40:11 PM					

LM Start	25.57	Rating **	M	Issue No.	1608 (cont)
LM End	25.57	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53971_79176.jpg



View of pumping station on levee crown.

Photo 2 of 3 : UCIP_FA_2019_53971_79177.jpg



View of slide gate on LS shoulder. Six pipes are crossing levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.57	Rating **	M	Issue No.	1608 (cont)	
LM End	25.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.012401 °	39.012401 °	
				-121.827925 °	-121.827925 °	
DWR ID	20374					
Comment Code						
Inspector Comment						
DS_ID:20374 FS_ID:53971 EP_NO: 9354 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/21/2017 Reclamation District No. 108 diverts irrigation water from the Sacramento River using the Wilkins Slough Pumping Plant. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Wilkins Slough Pumping Plant] 6 of 6: 5-foot by 5-foot reinforced concrete irrigation culvert through the levee, 40 feet below the crown. Control gates on the landside (LS) and waterside (WS) shoulder. Pump on the WS berm. (six 5-foot by 5-foot culverts [HLM 25.88] authorized under Automatic Board Order (ABO) issued as Permit No. 9354, 1974 - Reclamation District No. 108; plant was upgraded with new fish latter in 2005; positive barrier fish screens authorized under Permit No. 16748, 1997 - Reclamation District No. 108 [RD0108]; other related Permit Nos. include 1359 and 1534). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.88)]. FS Date: 5/6/2019 1:40:11 PM						

Pumphouse on WS shoulder.

LM Start	25.57	Rating **	M	Issue No.	1609
LM End	25.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.012428 °	39.012428 °
				-121.827907 °	-121.827907 °
DWR ID	22958				
Comment Code					
Inspector Comment					
DS_ID:22958					
FS_ID:53972					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/06/2019 Permit is not available for this crossing.					
(O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 1.5-inch polyvinyl chloride irrigation line					
through the levee, 2 feet below the crown. Distribution manifold at the					
corner of building on waterside (WS) shoulder.					
FS Date: 5/6/2019 2:20:57 PM					

View of water distribution boxes on WS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.57	Rating **	M	Issue No.	1609 (cont)	
LM End	25.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.012428 °	39.012428 °	
				-121.827907 °	-121.827907 °	
DWR ID	22958					
Comment Code						
Inspector Comment						
DS_ID:22958						
FS_ID:53972						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/06/2019 Permit is not available for this crossing.						
(O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1.5-inch polyvinyl chloride irrigation line						
through the levee, 2 feet below the crown. Distribution manifold at the						
corner of building on waterside (WS) shoulder.						
FS Date: 5/6/2019 2:20:57 PM						

Photo 2 of 2 : UCIP_FA_2019_53972_18721.jpg



Waterline and distribution manifold at WS shoulder/corner of pumphouse.

LM Start	25.58	Rating **	M	Issue No.	1610
LM End	25.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.012562 °	39.012562 °
				-121.827853 °	-121.827853 °
DWR ID	22960				
Comment Code					
Inspector Comment					
DS_ID:22960					
FS_ID:53973					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/06/2019 No issues recorded during inspection.					
(O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 1 of 4: 4-inch galvanized iron electrical conduit					
through the levee, 3 feet below the crown. Pipe runs from an electric					
vault on the landside (LS) shoulder to a building on the waterside (WS)					
shoulder.					
FS Date: 5/6/2019 2:44:19 PM					

Photo 1 of 3 : UCIP_FA_2019_53973_79179.jpg



Closer view of conduits coming out of building

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.58	Rating **	M	Issue No.	1610 (cont)	
LM End	25.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.012562 °	39.012562 °	
				-121.827853 °	-121.827853 °	
DWR ID	22960					
Comment Code						
Inspector Comment						
DS_ID:22960						
FS_ID:53973						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/06/2019 No issues recorded during inspection.						
(O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 4: 4-inch galvanized iron electrical conduit						
through the levee, 3 feet below the crown. Pipe runs from an electric						
vault on the landside (LS) shoulder to a building on the waterside (WS)						
shoulder.						
FS Date: 5/6/2019 2:44:19 PM						

LM Start	25.58	Rating **	M	Issue No.	1610 (cont)
LM End	25.58	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53973_79180.jpg



Four conduits crossing the levee. View of WS slope

Photo 3 of 3 : UCIP_FA_2019_53973_79182.jpg



Top of Levee with electrical vaults on LS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.58	Rating **	M	Issue No.	1611
LM End	25.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.012562 °	39.012562 °
				-121.827853 °	-121.827853 °
DWR ID	22961				
Comment Code					
Inspector Comment					
DS_ID:22961					
FS_ID:53974					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/06/2019 No issues recorded during inspection.					
(O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 2 of 4: 4-inch galvanized iron electrical conduit					
through the levee, 3.4 feet below the crown. Pipe runs from an electric					
vault on the landside (LS) shoulder to a building on the waterside (WS)					
shoulder.					
FS Date: 5/6/2019 2:56:10 PM					

Photo 1 of 3 : UCIP_FA_2019_53974_79183.jpg



Closer view of conduits coming out of building

LM Start	25.58	Rating **	M	Issue No.	1611 (cont)
LM End	25.58	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53974_79184.jpg



Four conduits crossing the levee. View of WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.58	Rating **	M	Issue No.	1611 (cont)	
LM End	25.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.012562 °	39.012562 °	
				-121.827853 °	-121.827853 °	
DWR ID	22961					
Comment Code						
Inspector Comment						
DS_ID:22961 FS_ID:53974 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 4: 4-inch galvanized iron electrical conduit through the levee, 3.4 feet below the crown. Pipe runs from an electric vault on the landside (LS) shoulder to a building on the waterside (WS) shoulder. FS Date: 5/6/2019 2:56:10 PM						

Photo 3 of 3 : UCIP_FA_2019_53974_79186.jpg



Top of Levee with electrical vaults on LS shoulder

LM Start	25.58	Rating **	M	Issue No.	1612
LM End	25.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.012562 °	39.012562 °
				-121.827853 °	-121.827853 °
DWR ID	22962				
Comment Code					
Inspector Comment					
DS_ID:22962					
FS_ID:53975					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/06/2019 No issues recorded during inspection.					
(O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 3 of 4: 4-inch galvanized iron electrical conduit					
through the levee, 3.8 feet below the crown. Pipe runs from an electric					
vault on the landside (LS) shoulder to a building on the waterside (WS)					
shoulder.					
FS Date: 5/6/2019 2:57:32 PM					

Photo 1 of 3 : UCIP_FA_2019_53975_79187.jpg



Closer view of conduits coming out of building

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.58	Rating **	M	Issue No.	1612 (cont)
LM End	25.58	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.012562 °	39.012562 °	
			-121.827853 °	-121.827853 °	
DWR ID	22962				

Comment Code

Inspector Comment

DS_ID:22962
FS_ID:53975
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 05/06/2019 No issues recorded during inspection.
(O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: 3 of 4: 4-inch galvanized iron electrical conduit through the levee, 3.8 feet below the crown. Pipe runs from an electric vault on the landside (LS) shoulder to a building on the waterside (WS) shoulder.
FS Date: 5/6/2019 2:57:32 PM

LM Start	25.58	Rating **	M	Issue No.	1612 (cont)
LM End	25.58	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53975_79188.jpg



Four conduits crossing the levee. View of WS slope

Photo 3 of 3 : UCIP_FA_2019_53975_79190.jpg



Top of Levee with electrical vaults on LS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.58	Rating **	M	Issue No.	1613
LM End	25.58	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.012562 °	39.012562 °	
			-121.827853 °	-121.827853 °	
DWR ID	22963				

Comment Code

Inspector Comment

DS_ID:22963
FS_ID:53976
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 05/06/2019 No issues recorded during inspection.
(O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: 4 of 4: 4-inch galvanized iron electrical conduit through the levee, 4.2 feet below the crown. Pipe runs from an electric vault on the landside (LS) shoulder to a building on the waterside (WS) shoulder.
FS Date: 5/6/2019 2:58:34 PM

LM Start	25.58	Rating **	M	Issue No.	1613 (cont)
LM End	25.58	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53976_79191.jpg



Closer view of conduits coming out of building

Photo 2 of 3 : UCIP_FA_2019_53976_79192.jpg



Four conduits crossing the levee. View of WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.58	Rating **	M	Issue No.	1613 (cont)	
LM End	25.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.012562 °	39.012562 °	
				-121.827853 °	-121.827853 °	
DWR ID	22963					
Comment Code						
Inspector Comment						
DS_ID:22963 FS_ID:53976 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 4 of 4: 4-inch galvanized iron electrical conduit through the levee, 4.2 feet below the crown. Pipe runs from an electric vault on the landside (LS) shoulder to a building on the waterside (WS) shoulder. FS Date: 5/6/2019 2:58:34 PM						

Photo 3 of 3 : UCIP_FA_2019_53976_79194.jpg



Top of Levee with electrical vaults on LS shoulder

LM Start	25.75	Rating **	A/W	Issue No.	88
LM End	25.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.014499 °	39.016401 °
				-121.825880 °	-121.824230 °
DWR ID	DWR_NA0016_01_f_2018_88				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 118.0 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2008 - Whole bank is eroding, nearly vertical slope with cohesive toe. Bed is very deep along the toe (greater than 30 ft deep at 20 ft from the shore). 2011 - Some new minor erosion. 2016 - Minor new erosion.					

Photo 1 of 1 : FA_2019_NA0016_435_88_20190829_00026.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	25.76	Rating **	C	Issue No.	81
LM End	25.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			39.014725 °	39.014725 °
				-121.826050 °	-121.826050 °
DWR ID	DWR_NA0016_01_s_2019_81				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
50' cracking section on waterside bench. LMA has staked crown and painted over the cracks. Recommend monitoring.					

No Photos

LM Start	26.46	Rating **	M	Issue No.	1614	
LM End	26.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.023842 °	39.023842 °	
				-121.823077 °	-121.823077 °	
DWR ID	20253					
Comment Code						
Inspector Comment						
DS_ID:20253 FS_ID:53977 EP_NO: 9136 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Unable to see pipe outlet at riverbank due to vegetation. Levee is in good condition at the crossing. (O.Yakimov - DWR UCIP) Pipe appears to be abandoned. Pipe needs to be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch coated steel drainage pipe through the levee, 3 feet below the crown. Steel cutoff wall at the centerline. Air release valve on the waterside (WS) shoulder. Slide gate inside a 72-inch diameter corrugated metal riser unit on the landside (LS) toe. (Permit No. 9136, 1973 - Durst Brothers). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/6/2019 3:43:56 PM						

Photo 1 of 3 : UCIP_FA_2019_53977_17532.jpg



72-inch CMP riser on LS toe under JP next to tree.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	26.46	Rating **	M	Issue No.	1614 (cont)
LM End	26.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.023842 °	39.023842 °
				-121.823077 °	-121.823077 °
DWR ID	20253				
Comment Code					
Inspector Comment					
DS_ID:20253 FS_ID:53977 EP_NO: 9136 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Unable to see pipe outlet at riverbank due to vegetation. Levee is in good condition at the crossing. (O.Yakimov - DWR UCIP) Pipe appears to be abandoned. Pipe needs to be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch coated steel drainage pipe through the levee, 3 feet below the crown. Steel cutoff wall at the centerline. Air release valve on the waterside (WS) shoulder. Slide gate inside a 72-inch diameter corrugated metal riser unit on the landside (LS) toe. (Permit No. 9136, 1973 - Durst Brothers). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/6/2019 3:43:56 PM					

LM Start	26.46	Rating **	M	Issue No.	1614 (cont)
LM End	26.46	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53977_17531.jpg



Air release valve on WS shoulder.

Photo 3 of 3 : UCIP_FA_2019_53977_17534.jpg



Pipe at Rivers edge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	26.58	Rating **	M	Issue No.	1615	
LM End	26.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.025623 °	39.025623 °	
				-121.823436 °	-121.823436 °	
DWR ID	20254					
Comment Code						
Inspector Comment						
DS_ID:20254 FS_ID:56073 EP_NO: 9371 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Pipe is not found on LS. Open pipe end is visible in concrete sump at riverbank. Pipe that was coming out from sump towards levee has been removed and its hole in sump was immured. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 14-inch steel irrigation pipe through the levee, 4.5 feet below the crown. Slant pump on steel structure on the waterside (WS) bank. Screw gate at pump to divert water into concrete sump on the WS berm. Concrete tank on the landside (LS) across the county road. Steel plate bolted on the WS end. (two 14-inch pipes, at different depths, authorized under Automatic Board Order (ABO) issued as Permit No. 9371, 1974 - Fred, Lloyd, and Beverly Durst; 14-inch pipe grouted in place in 2000 under PN 9371 as per permit notes). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 26.92), one 14-inch pipe referenced]. FS Date: 10/1/2019 2:58:00 PM						

LM Start	26.58	Rating **	M	Issue No.	1615 (cont)
LM End	26.58	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_56073_17538.jpg



Pipe visible at waters edge.

Photo 2 of 3 : UCIP_FA_2019_56073_83207.jpg



Open pipe in concrete sump coming from riverbank

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	26.58	Rating **	M	Issue No.	1615 (cont)	
LM End	26.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.025623 °	39.025623 °	
				-121.823436 °	-121.823436 °	
DWR ID	20254					
Comment Code						
Inspector Comment						
DS_ID:20254 FS_ID:56073 EP_NO: 9371 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Pipe is not found on LS. Open pipe end is visible in concrete sump at riverbank. Pipe that was coming out from sump towards levee has been removed and its hole in sump was immured. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 14-inch steel irrigation pipe through the levee, 4.5 feet below the crown. Slant pump on steel structure on the waterside (WS) bank. Screw gate at pump to divert water into concrete sump on the WS berm. Concrete tank on the landside (LS) across the county road. Steel plate bolted on the WS end. (two 14-inch pipes, at different depths, authorized under Automatic Board Order (ABO) issued as Permit No. 9371, 1974 - Fred, Lloyd, and Beverly Durst; 14-inch pipe grouted in place in 2000 under PN 9371 as per permit notes). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 26.92), one 14-inch pipe referenced]. FS Date: 10/1/2019 2:58:00 PM						

Photo 3 of 3 : UCIP_FA_2019_56073_83209.jpg



Immured hole at bottom part of sump on the wall looking towards levee

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	26.58	Rating **	M	Issue No.	1616
LM End	26.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.025637 °	39.025637 °
				-121.823450 °	-121.823450 °
DWR ID	20397				
Comment Code					
Inspector Comment					
DS_ID:20397 FS_ID:56074 EP_NO: 9371 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Record changed from No Action Needed to Non-Urgent. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation pipe through the levee, 5 feet below the crown. Slant pump on a steel structure on the waterside (WS) bank. 4-foot diameter concrete standpipe on the landside (LS) toe with a butterfly valve at the west side of Highway 45. Hand pump on pipe at the LS shoulder. (two 14-inch pipes, at different depths, authorized under Automatic Board Order (ABO) issued as Permit No. 9371, 1974 - Fred, Lloyd, and Beverly Durst). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 26.92), one 14-inch pipe referenced]. FS Date: 10/1/2019 3:18:00 PM					

LM Start	26.58	Rating **	M	Issue No.	1616 (cont)
LM End	26.58	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_56074_83212.jpg



View of LS looking from levee crown

Photo 2 of 3 : UCIP_FA_2019_56074_83211.jpg



Hand pump on LS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	26.58	Rating **	M	Issue No.	1616 (cont)	
LM End	26.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.025637 °	39.025637 °	
				-121.823450 °	-121.823450 °	
DWR ID	20397					
Comment Code						
Inspector Comment						
DS_ID:20397 FS_ID:56074 EP_NO: 9371 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/01/2019 Record changed from No Action Needed to Non-Urgent. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation pipe through the levee, 5 feet below the crown. Slant pump on a steel structure on the waterside (WS) bank. 4-foot diameter concrete standpipe on the landside (LS) toe with a butterfly valve at the west side of Highway 45. Hand pump on pipe at the LS shoulder. (two 14-inch pipes, at different depths, authorized under Automatic Board Order (ABO) issued as Permit No. 9371, 1974 - Fred, Lloyd, and Beverly Durst). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 26.92), one 14-inch pipe referenced]. FS Date: 10/1/2019 3:18:00 PM						

Photo 3 of 3 : UCIP_FA_2019_56074_83210.jpg



LS levee slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	26.83	Rating **	M	Issue No.	1617
LM End	26.83	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.029144 °	39.029144 °
				-121.823774 °	-121.823774 °
DWR ID	20255				
Comment Code					
Inspector Comment					
DS_ID:20255					
FS_ID:53978					
EP_NO: 4786					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/06/2019 Crossing not in use and looks abandoned. Air release valve is silted inside a riser on WS shoulder (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 6.2 feet below the crown. One metal cutoff wall. Gate valve on the landside (LS) end. Siphon breaker on the waterside (WS) slope inside steel riser unit. Flap gate on the WS end. Bank rock revetted. (Permit No. 4786, 1964 - F. Erdman). [Additional Reference(s): DWR Levee Log, 2006].					
FS Date: 5/6/2019 4:11:08 PM					

Photo 1 of 3 : UCIP_FA_2019_53978_79198.jpg



View of covered metal riser on WS shoulder

LM Start	26.83	Rating **	M	Issue No.	1617 (cont)
LM End	26.83	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53978_79199.jpg



Air valve is silted inside of metal riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	26.83	Rating **	M	Issue No.	1617 (cont)	
LM End	26.83	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.029144 °	39.029144 °	
				-121.823774 °	-121.823774 °	
DWR ID	20255					
Comment Code						
Inspector Comment						
DS_ID:20255 FS_ID:53978 EP_NO: 4786 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Crossing not in use and looks abandoned. Air release valve is silted inside a riser on WS shoulder (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 6.2 feet below the crown. One metal cutoff wall. Gate valve on the landside (LS) end. Siphon breaker on the waterside (WS) slope inside steel riser unit. Flap gate on the WS end. Bank rock revetted. (Permit No. 4786, 1964 - F. Erdman). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/6/2019 4:11:08 PM						

Photo 3 of 3 : UCIP_FA_2019_53978_17539.jpg



Pipe at rivers edge.

LM Start	27.11	Rating **	A/W	Issue No.	82
LM End	27.11	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.030973 °	39.030973 °
				-121.828201 °	-121.828201 °
DWR ID	DWR_NA0016_01_s_2019_82				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on the waterside berm was reported during 2018 storms. There is approximately 80' from the river bank to the waterside toe. Recommend monitoring.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	27.46	Rating **	U	Issue No.	1618	
LM End	27.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.033767°	39.033767°	
				-121.833110°	-121.833110°	
DWR ID	20256					
Comment Code						
Inspector Comment						
DS_ID:20256 FS_ID:53980 EP_NO: 9368 Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Standpipe on WS slope is damaged. A tree that was located next to the stand pipe is gone. At the place of former tree roots there is a large pit hole 3x4x2 feet starting from WS levee toe going into WS slope. Missing operation wheel on gate valve off LS toe. Crossing is abandoned and needs a proper abandonment or removal. (O.Yakimov - DWR UCIP) Need to abandon pipe properly. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 16.2 feet below the crown. Pump on the waterside (WS) bank. Gate valve on the landside (LS) end. Concrete box at the LS toe of the slope. Irrigation well 6 feet from the toe of the landward slope. (Automatic Board Order (ABO) issued as Permit No. 9368, 1974 - Fredinand Erdman). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 27.79) (standpipe on the WS)]. FS Date: 5/6/2019 8:19:13 AM						

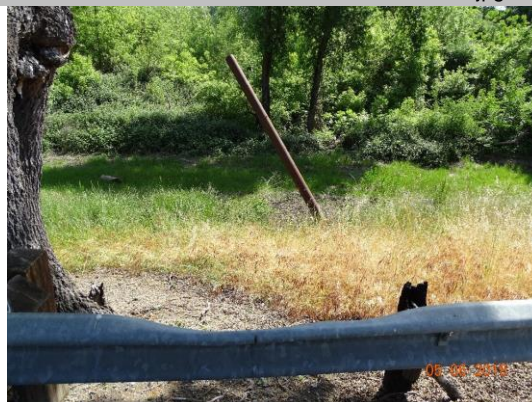
LM Start	27.46	Rating **	U	Issue No.	1618 (cont)
LM End	27.46	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53980_79202.jpg



Bent metal standpipe at WS toe

Photo 2 of 3 : UCIP_FA_2019_53980_79206.jpg



View of bent metal standpipe at WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	27.46	Rating **	U	Issue No.	1618 (cont)	
LM End	27.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.033767°	39.033767°	
				-121.833110°	-121.833110°	
DWR ID	20256					
Comment Code						
Inspector Comment						
DS_ID:20256 FS_ID:53980 EP_NO: 9368 Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Standpipe on WS slope is damaged. A tree that was located next to the stand pipe is gone. At the place of former tree roots there is a large pit hole 3x4x2 feet starting from WS levee toe going into WS slope. Missing operation wheel on gate valve off LS toe. Crossing is abandoned and needs a proper abandonment or removal. (O.Yakimov - DWR UCIP) Need to abandon pipe properly. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 16.2 feet below the crown. Pump on the waterside (WS) bank. Gate valve on the landside (LS) end. Concrete box at the LS toe of the slope. Irrigation well 6 feet from the toe of the landward slope. (Automatic Board Order (ABO) issued as Permit No. 9368, 1974 - Fredinand Erdman). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 27.79) (standpipe on the WS)]. FS Date: 5/6/2019 8:19:13 AM						

Photo 3 of 3 : UCIP_FA_2019_53980_79203.jpg



Damaged standpipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	27.46	Rating **	M	Issue No.	1619	
LM End	27.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.033814 °	39.033814 °	
				-121.833158 °	-121.833158 °	
DWR ID	20416					
Comment Code						
Inspector Comment						
DS_ID:20416						
FS_ID:53981						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 05/06/2019 Crossing not found. A candidate for electromagnetic survey.(O.Yakimov - DWR UCIP)						
Appears this pipe is abandoned and visible on WS slope in pieces.						
Need to verify proper abandonment.						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch pipe of an unknown type and material through the levee, 6.2 feet below the crown. Pipe debris on the waterside (WS) slope. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 27.79)].						
FS Date: 5/6/2019 9:13:36 AM						

Photo 1 of 2 : UCIP_FA_2019_53981_17545.jpg



Pipe debris on WS slope.

LM Start	27.46	Rating **	M	Issue No.	1619 (cont)
LM End	27.46	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2019_53981_17544.jpg



Pipe debris on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	27.54	Rating **	M	Issue No.	1620	
LM End	27.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.034870 °	39.034870 °	
				-121.833501 °	-121.833501 °	
DWR ID	20257					
Comment Code						
Inspector Comment						
DS_ID:20257 FS_ID:53982 EP_NO: 9355 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Inlet and outlet gates are silted. Missing handwheel on gate valve at LS toe. (O.Yakimov - DWR UCIP) Pipe needs to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Gate valve on the landside (LS) end. (24-inch pipe [HLM 27.89] authorized under Automatic Board Order (ABO) issued as Permit No. 9355, 1974 - Alvin Gustafson). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 27.89)]. FS Date: 5/6/2019 9:24:06 AM						

LM Start	27.54	Rating **	M	Issue No.	1620 (cont)
LM End	27.54	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_53982_79209.jpg



Slide gate silted on WS end

Photo 2 of 3 : UCIP_FA_2019_53982_79210.jpg



Gate valve silted at LS toe. Missing handwheel

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	27.54	Rating **	M	Issue No.	1620 (cont)	
LM End	27.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.034870 °	39.034870 °	
				-121.833501 °	-121.833501 °	
DWR ID	20257					
Comment Code						
Inspector Comment						
DS_ID:20257						
FS_ID:53982						
EP_NO: 9355						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/06/2019 Inlet and outlet gates are silted. Missing handwheel on gate valve at LS toe. (O.Yakimov - DWR UCIP)						
Pipe needs to be properly abandoned.						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Gate valve on the landside (LS) end. (24-inch pipe [HLM 27.89] authorized under Automatic Board Order (ABO) issued as Permit No. 9355, 1974 - Alvin Gustafson). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 27.89)].						
FS Date: 5/6/2019 9:24:06 AM						

Photo 3 of 3 : UCIP_FA_2019_53982_17548.jpg



Gate valve buried on LS toe

LM Start	28.02	Rating **	M	Issue No.	59
LM End	28.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.040750 °	39.040750 °
				-121.835299 °	-121.835299 °
DWR ID	DWR_NA0016_01_s_2012_59				
Comment Code					
DE : Debris					
Inspector Comment					
There are piles of concrete on the waterside berm.					

Photo 1 of 1 : FA_2019_NA0016_435_59_20190829_00018.jpg



View of the pile of concrete on the waterward berm of the levee. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.06	Rating **	M	Issue No.	1621
LM End	28.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.041050 °	39.041050 °
				-121.835738 °	-121.835738 °
DWR ID	20258				
Comment Code					
Inspector Comment					
DS_ID:20258 FS_ID:53983 EP_NO: 9367 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Closure devices located at LS toe are buried with mud that limits their operation. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 14-inch irrigation pipe of an unknown material through the levee, 7.5 feet below the crown. Pump in pump house on the waterside (WS) bank. Siphon breaker inside a 24-inch corrugated metal riser unit on the landside (LS) slope. Pole on the WS shoulder. (Automatic Board Order (ABO) issued as Permit No. 9367, 1974 - Elna Schohr, Inc.). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 28.41)]. FS Date: 5/6/2019 11:22:51 AM					

Photo 1 of 3 : UCIP_FA_2019_53983_79212.jpg



Closure devices at LS toe

LM Start	28.06	Rating **	M	Issue No.	1621 (cont)
LM End	28.06	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53983_79213.jpg



Pumping vault at riverbank

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.06	Rating **	M	Issue No.	1621 (cont)	
LM End	28.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.041050 °		39.041050 °
				-121.835738 °		-121.835738 °
DWR ID	20258					
Comment Code						
Inspector Comment						
DS_ID:20258 FS_ID:53983 EP_NO: 9367 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Closure devices located at LS toe are buried with mud that limits their operation. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 14-inch irrigation pipe of an unknown material through the levee, 7.5 feet below the crown. Pump in pump house on the waterside (WS) bank. Siphon breaker inside a 24-inch corrugated metal riser unit on the landside (LS) slope. Pole on the WS shoulder. (Automatic Board Order (ABO) issued as Permit No. 9367, 1974 - Elna Schohr, Inc.). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 28.41)]. FS Date: 5/6/2019 11:22:51 AM						

Photo 3 of 3 : UCIP_FA_2019_53983_79215.jpg



View of pump on WS berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.61	Rating **	M	Issue No.	1622	
LM End	28.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.047758 °	39.047758 °	
				-121.840914 °	-121.840914 °	
DWR ID	20319					
Comment Code						
Inspector Comment						
DS_ID:20319 FS_ID:53984 EP_NO: 16632 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/06/2019 No gas line markers observed. (O.Yakimov - DWR UCIP)09/01/2016 - No markers on levee. no condition in permit for markers. Pipe is well underneath the levee prism with minimum clearance under the river of 35 feet per permit drawings. (T. Hatch/UCIP) 03/15/2013 No gasline markers on either side of levee. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 4-inch welded steel natural gas pipeline through the levee, 62 feet below the crown. Crosses under both levees and the Sacramento River channel with a minimum clearance of 35 feet. Gas well visible approximately 1,500 feet west of the levee on the landside (LS). (Permit No. 16632, 1997 - Slawson Exploration Company, Inc./AA Production Services, Inc.). FS Date: 5/6/2019 12:47:47 PM						

Photo 1 of 1 : UCIP_FA_2019_53984_17563.jpg



gas well 1500-feet west of this location.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.64	Rating **	M	Issue No.	1623	
LM End	28.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.048281 °	39.048281 °	
				-121.841084 °	-121.841084 °	
DWR ID	20341					
Comment Code						
Inspector Comment						
DS_ID:20341						
FS_ID:53985						
EP_NO: 9358						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/06/2019 No issues recorded during inspection.						
(O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee,						
8.5 feet below the crown. Siphon breaker inside a 24-inch corrugated						
metal riser unit on the waterside (WS) slope. Pump inside pump house						
on the landside (LS). Overhead power line crosses the levee. Pole on						
the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes						
[HLM 29.02] authorized under Automatic Board Order (ABO) issued as						
Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional						
Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M						
Manual 131, May 1960 (HLM 29.02)].						
FS Date: 5/6/2019 12:51:38 PM						

LM Start	28.64	Rating **	M	Issue No.	1623 (cont)
LM End	28.64	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_53985_79218.jpg



Pumphouse and sump on LS looking from levee crown

Photo 2 of 3 : UCIP_FA_2019_53985_79217.jpg



CMP riser with siphon breaker on WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.64	Rating **	M	Issue No.	1623 (cont)	
LM End	28.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.048281 °	39.048281 °	
				-121.841084 °	-121.841084 °	
DWR ID	20341					
Comment Code						
Inspector Comment						
DS_ID:20341 FS_ID:53985 EP_NO: 9358 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 8.5 feet below the crown. Siphon breaker inside a 24-inch corrugated metal riser unit on the waterside (WS) slope. Pump inside pump house on the landside (LS). Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)]. FS Date: 5/6/2019 12:51:38 PM						

Photo 3 of 3 : UCIP_FA_2019_53985_79219.jpg



Pumphouse and sump on LS looking from landside

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.65	Rating **	M	Issue No.	1624
LM End	28.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.048295 °	39.048295 °
				-121.841088 °	-121.841088 °
DWR ID	20259				
Comment Code					
Inspector Comment					
DS_ID:20259 FS_ID:53986 EP_NO: 9358 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 8 feet below the crown. Siphon breaker in a 24-inch corrugated metal riser on the waterside (WS) slope. Slide gate at base of pump house on landside (LS) toe. Pump over sump at pump house on LS toe. Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)]. FS Date: 5/6/2019 2:23:55 PM					

LM Start	28.65	Rating **	M	Issue No.	1624 (cont)
LM End	28.65	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_53986_79220.jpg



CMP riser with siphon breaker on WS slope

Photo 2 of 3 : UCIP_FA_2019_53986_79221.jpg



Pumphouse and sump on LS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.65	Rating **	M	Issue No.	1624 (cont)	
LM End	28.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.048295 °	39.048295 °	
				-121.841088 °	-121.841088 °	
DWR ID	20259					
Comment Code						
Inspector Comment						
DS_ID:20259 FS_ID:53986 EP_NO: 9358 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 8 feet below the crown. Siphon breaker in a 24-inch corrugated metal riser on the waterside (WS) slope. Slide gate at base of pump house on landside (LS) toe. Pump over sump at pump house on LS toe. Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)]. FS Date: 5/6/2019 2:23:55 PM						

Photo 3 of 3 : UCIP_FA_2019_53986_17569.jpg



Pumphouse over sump on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.65	Rating **	M	Issue No.	1625
LM End	28.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.048338 °	39.048338 °
				-121.841104 °	-121.841104 °
DWR ID	20340				
Comment Code					
Inspector Comment					
DS_ID:20340 FS_ID:53987 EP_NO: 9358 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. Observed pipe running - no leaks. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 24.5 feet below the crown. Screw gate in pump house on the waterside (WS) berm. 24-inch corrugated metal riser unit on the WS berm where slant pump on steel structure at water's edge ties into this pipe (butterfly valve at junction). Butterfly valve in concrete sump at landside (LS) toe. Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)]. FS Date: 5/6/2019 2:38:58 PM					

LM Start	28.65	Rating **	M	Issue No.	1625 (cont)
LM End	28.65	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_53987_79225.jpg



View of slant pump on WS berm

Photo 2 of 3 : UCIP_FA_2019_53987_79227.jpg



Intake pipe at riverbank

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.65	Rating **	M	Issue No.	1625 (cont)	
LM End	28.65	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.048338 °	39.048338 °	
				-121.841104 °	-121.841104 °	
DWR ID	20340					
Comment Code						
Inspector Comment						
DS_ID:20340 FS_ID:53987 EP_NO: 9358 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No issues recorded during inspection. Observed pipe running - no leaks. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 24.5 feet below the crown. Screw gate in pump house on the waterside (WS) berm. 24-inch corrugated metal riser unit on the WS berm where slant pump on steel structure at water's edge ties into this pipe (butterfly valve at junction). Butterfly valve in concrete sump at landside (LS) toe. Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)]. FS Date: 5/6/2019 2:38:58 PM						

Photo 3 of 3 : UCIP_FA_2019_53987_79226.jpg



View of appurtenances on LS looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.78	Rating **	U	Issue No.	1626
LM End	28.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.050186 °	39.050186 °
				-121.841553 °	-121.841553 °
DWR ID	20311				

Comment Code

Inspector Comment

DS_ID:20311
FS_ID:53988
EP_NO: 12609
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 05/06/2019 No changes from last inspection. Pipe on riverbank is under water. (O.Yakimov - DWR UCIP)10/16/2018 Water level is low enough to see that flap gate on WS end is missing. In addition, pipe has corroded through around flap gate frame. Unable to locate pipe inlet on LS. Crossing should be abandoned properly. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov - DWR)09/23/2016 - pipe outlet still submerged, but visible enough to determine that flap gate is still missing. Appurtenances on the LS of the levee do not appear to be associated with this pipe. There is no visible location for collection of drainage water to go through the outfall. As a result, it does not appear that this pipe is in use. (T. Hatch/UCIP) 09/01/201 - pipe outlet was submerged at time of inspection. Unable to view if flap gate had been replaced. Otherwise, conditions do not appear to be significantly different from previous inspection. (T. Hatch/UCIP) 03/15/201- Flap gate missing from waterward end of pipe. (W. Wylie/UCIP)
FIELD_STRUCT_DESC: 24-inch steel outfall drainage pipe through the levee, 4.1 feet below the crown. Siphon breaker inside an 18-inch concrete riser unit on the waterside (WS) shoulder. Flap gate on the WS toe. Rock protection along the riverbank at the WS toe. (Permit No. 12609, 1978 - Jack E. Gross). [Additional Reference(s): DWR Levee Log, 2006].
FS Date: 5/6/2019 3:02:33 PM

Photo 1 of 3 : UCIP_FA_2019_53988_78171.jpg



Missing flap gate on WS end. Pipe is corroded through.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.78	Rating **	U	Issue No.	1626 (cont)
LM End	28.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.050186 °	39.050186 °
				-121.841553 °	-121.841553 °
DWR ID	20311				

Comment Code

Inspector Comment

DS_ID:20311
FS_ID:53988
EP_NO: 12609
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 05/06/2019 No changes from last inspection. Pipe on riverbank is under water. (O.Yakimov - DWR UCIP)10/16/2018 Water level is low enough to see that flap gate on WS end is missing. In addition, pipe has corroded through around flap gate frame. Unable to locate pipe inlet on LS. Crossing should be abandoned properly. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov - DWR)09/23/2016 - pipe outlet still submerged, but visible enough to determine that flap gate is still missing. Appurtenances on the LS of the levee do not appear to be associated with this pipe. There is no visible location for collection of drainage water to go through the outfall. As a result, it does not appear that this pipe is in use. (T. Hatch/UCIP) 09/01/201 - pipe outlet was submerged at time of inspection. Unable to view if flap gate had been replaced. Otherwise, conditions do not appear to be significantly different from previous inspection. (T. Hatch/UCIP) 03/15/201- Flap gate missing from waterward end of pipe. (W. Wylie/UCIP)
FIELD_STRUCT_DESC: 24-inch steel outfall drainage pipe through the levee, 4.1 feet below the crown. Siphon breaker inside an 18-inch concrete riser unit on the waterside (WS) shoulder. Flap gate on the WS toe. Rock protection along the riverbank at the WS toe. (Permit No. 12609, 1978 - Jack E. Gross). [Additional Reference(s): DWR Levee Log, 2006].
FS Date: 5/6/2019 3:02:33 PM

Photo 2 of 3 : UCIP_FA_2019_53988_78168.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	28.78	Rating **	U	Issue No.	1626 (cont)	
LM End	28.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.050186 °	39.050186 °	
				-121.841553 °	-121.841553 °	
DWR ID	20311					
Comment Code						
Inspector Comment						
DS_ID:20311 FS_ID:53988 EP_NO: 12609 Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/06/2019 No changes from last inspection. Pipe on riverbank is under water. (O.Yakimov - DWR UCIP)10/16/2018 Water level is low enough to see that flap gate on WS end is missing. In addition, pipe has corroded through around flap gate frame. Unable to locate pipe inlet on LS. Crossing should be abandoned properly. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov - DWR)09/23/2016 - pipe outlet still submerged, but visible enough to determine that flap gate is still missing. Appurtenances on the LS of the levee do not appear to be associated with this pipe. There is no visible location for collection of drainage water to go through the outfall. As a result, it does not appear that this pipe is in use. (T. Hatch/UCIP) 09/01/201 - pipe outlet was submerged at time of inspection. Unable to view if flap gate had been replaced. Otherwise, conditions do not appear to be significantly different from previous inspection. (T. Hatch/UCIP) 03/15/201- Flap gate missing from waterward end of pipe. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 24-inch steel outfall drainage pipe through the levee, 4.1 feet below the crown. Siphon breaker inside an 18-inch concrete riser unit on the waterside (WS) shoulder. Flap gate on the WS toe. Rock protection along the riverbank at the WS toe. (Permit No. 12609, 1978 - Jack E. Gross). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/6/2019 3:02:33 PM						

Photo 3 of 3 : UCIP_FA_2019_53988_78169.jpg



Pipe is not found on LS. Appurtenances on LS are not associated with this crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	29.69	Rating **	A/W	Issue No.	89
LM End	29.73	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.063209 °	39.063997 °
				-121.838927 °	-121.839335 °
DWR ID	DWR_NA0016_01_f _ 2018_89				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 122.0 R					
Status: Eroding					
2017 Field Notes: Minor new erosion at toe.					
Site History: 1997 - Mass failure of the lower cohesive bank and toe.					
2000 - Still eroding, steeply dipping foresets in the toe are falling off.					
2010 - Some new erosion and some new deposition. Eddy current off					
the upstream rock. 2011 - Still plenty of berm left. 2016 - Minor new					
erosion.					

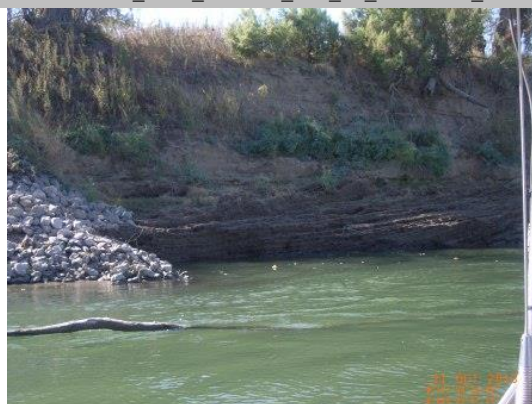
Photo 1 of 1 : FA_2019_NA0016_435_89_20190829_00027.jpg



USACE 2013 Photo #1

LM Start	29.96	Rating **	A/W	Issue No.	91
LM End	30.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.065886 °	39.067386 °
				-121.842950 °	-121.845266 °
DWR ID	DWR_NA0016_01_f _ 2018_91				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 122.3 R					
Status: Eroding					
2017 Field Notes: Fresh slumping erosion at toe.					
Site History: 2002 - Upstream end has recent slope failure and exposure of tree roots. 2003 - Some new minor slope erosion with new snags on the bank. 2004 - Appears a little worse. 2005 - Scallop in bank at the upstream end looks worse. 2009 - Minimal new erosion, Berm width is still large, but one large event or one fallen tree and it could go fast. 2010 - New erosion, bank is nearly all vertical from slumping. Site looks bad. 2011 - Site continues to look bad. 2012 - Minor new erosion. 2015 - Undermining of toe rock. 2016 - Site extended upstream, new erosion and exposed tree roots.					

Photo 1 of 1 : FA_2019_NA0016_435_91_20190829_00029.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	30.00	Rating **	C	Issue No.	83
LM End	30.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.066001 °	39.066001 °
				-121.843910 °	-121.843910 °
DWR ID	DWR_NA0016_01_s_2019_83				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A very large fallen tree is located on the waterside slope.					

No Photos

LM Start	30.36	Rating **	C	Issue No.	111
LM End	30.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.069795 °	39.069795 °
				-121.848487 °	-121.848487 °
DWR ID	DWR_NA0016_01_s_2019_111				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

LM Start	31.28	Rating **	M	Issue No.	99
LM End	31.28	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.066921 °	39.066921 °
				-121.864077 °	-121.864077 °
DWR ID	DWR_NA0016_01_s_2015_99				
Comment Code					
EQ : Equipment					
Inspector Comment					
Temporary bee hives are located on the waterside shoulder.					

Photo 1 of 1 : FA_2019_NA0016_435_99_20190829_00036.jpg



View of the beehives on the shoulder of the waterward side of the levee looking upstream. Spring 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	31.37	Rating **	M	Issue No.	1627	
LM End	31.37	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.066750 °	39.066750 °	
				-121.865809 °	-121.865809 °	
DWR ID	20261					
Comment Code						
Inspector Comment						
DS_ID:20261 FS_ID:54143 EP_NO: 9358 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Pipe is running, no leaks observed. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3-foot by 3-foot reinforced concrete box irrigation culvert through the levee, 18 feet below the crown. Slide gate on the waterside (WS) inside a concrete surge box. Pump house on the WS berm. 5-foot by 7-foot concrete distribution box at the landside (LS) toe. Overhead power line crosses the levee. Pole on the WS shoulder (3-foot by 3-foot culvert [HLM 31.78] Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 31.78)]. FS Date: 5/6/2019 3:43:23 PM						

LM Start	31.37	Rating **	M	Issue No.	1627 (cont)
LM End	31.37	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54143_79707.jpg



Pump house on WS

Photo 2 of 3 : UCIP_FA_2019_54143_79709.jpg



View inside of pumphouse

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	31.37	Rating **	M	Issue No.	1627 (cont)	
LM End	31.37	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.066750 °	39.066750 °	
				-121.865809 °	-121.865809 °	
DWR ID	20261					
Comment Code						
Inspector Comment						
DS_ID:20261 FS_ID:54143 EP_NO: 9358 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Pipe is running, no leaks observed. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3-foot by 3-foot reinforced concrete box irrigation culvert through the levee, 18 feet below the crown. Slide gate on the waterside (WS) inside a concrete surge box. Pump house on the WS berm. 5-foot by 7-foot concrete distribution box at the landside (LS) toe. Overhead power line crosses the levee. Pole on the WS shoulder (3-foot by 3-foot culvert [HLM 31.78] Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 31.78)]. FS Date: 5/6/2019 3:43:23 PM						

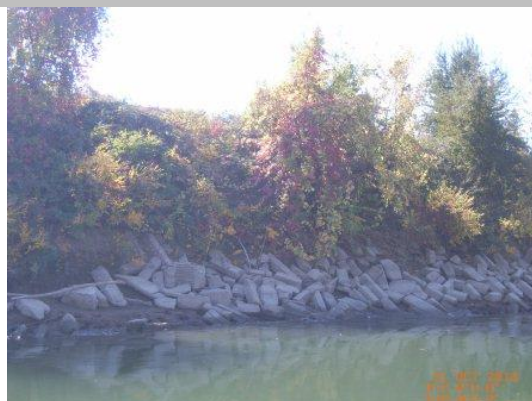
Photo 3 of 3 : UCIP_FA_2019_54143_79710.jpg



Pipes at river's edge

LM Start	31.43	Rating **	A/W	Issue No.	92
LM End	31.45	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.067004 °	39.066901 °
				-121.866913 °	-121.867322 °
DWR ID	DWR_NA0016_01_f_2018_92				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 123.7 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 1997 - Erosion into the levee section; old concrete rubble loss at toe; transition between the rock upstream and the cobble downstream. 2000 - Cohesive bench with concrete slabs on top; 25 ft deep scour hole on the downstream end.					

Photo 1 of 1 : FA_2019_NA0016_435_92_20190829_00030.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	31.61	Rating **	M	Issue No.	1628
LM End	31.61	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.066163 °	39.066163 °	
			-121.870198 °	-121.870198 °	
DWR ID	20262				

Comment Code

Inspector Comment

DS_ID:20262

FS_ID:54144

EP_NO: 9338

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 05/06/2019 Power line for this group of pumps that has been run underground to service box on WS shoulder at LM 31.63 should be recorded as a separate crossing. (O.Yakimov - DWR UCIP) 03/15/2013 Pipe leaking at intake pipe on rivers edge below pump FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 24 feet below the crown. Slide gate in abandoned concrete pump house on the waterside (WS) slope. Three slant pumps mounted on a pile structure on the WS bank. 30-inch concrete pipe under the highway on the landside (LS). 48-inch steel riser unit on the LS of the highway. Overhead high tower power line crosses the levee. Power line has been run underground to service box on WS shoulder at LM 31.63. Ramps on both slopes. (Automatic Board Order (ABO) issued as Permit No. 9338, 1974 - Julie Ann Steidlmaier). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 32.02)].

FS Date: 5/6/2019 4:10:23 PM

LM Start	31.61	Rating **	M	Issue No.	1628 (cont)
LM End	31.61	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54144_79713.jpg



Concrete block house with slide gateinside

Photo 2 of 3 : UCIP_FA_2019_54144_79714.jpg



Slide gate inside concrete blockhouse

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	31.61	Rating **	M	Issue No.	1628 (cont)
LM End	31.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.066163°	39.066163°
				-121.870198°	-121.870198°
DWR ID	20262				
Comment Code					
Inspector Comment					
DS_ID:20262 FS_ID:54144 EP_NO: 9338 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Power line for this group of pumps that has been run underground to service box on WS shoulder at LM 31.63 should be recorded as a separate crossing. (O.Yakimov - DWR UCIP) 03/15/2013 Pipe leaking at intake pipe on rivers edge below pump FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 24 feet below the crown. Slide gate in abandoned concrete pump house on the waterside (WS) slope. Three slant pumps mounted on a pile structure on the WS bank. 30-inch concrete pipe under the highway on the landside (LS). 48-inch steel riser unit on the LS of the highway. Overhead high tower power line crosses the levee. Power line has been run underground to service box on WS shoulder at LM 31.63. Ramps on both slopes. (Automatic Board Order (ABO) issued as Permit No. 9338, 1974 - Julie Ann Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 32.02)]. FS Date: 5/6/2019 4:10:23 PM					

Photo 3 of 3 : UCIP_FA_2019_54144_79719.jpg



Levee crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	31.87	Rating **	M	Issue No.	1629	
LM End	31.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.068230 °	39.068230 °	
				-121.874052 °	-121.874052 °	
DWR ID	20263					
Comment Code						
Inspector Comment						
DS_ID:20263 FS_ID:54146 EP_NO: 1755A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Steel riser on WS berm is damaged. Portion of pipe is visible on LS slope. It gets impacted every time vegetation control is performed. (Special condition twenty of permit 1755-A hasn't been met. Pipe needs to be buried at least 12 inches in the levee slope.) (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 4 feet below the crown. Slant pump on the waterside (WS) bank. Siphon breaker inside a 12-inch steel riser unit on the WS shoulder. Pipe may terminate inside an 18-inch concrete riser on the landside (LS) toe. (Permit No. 1755-A, 1979 - Julie Ann Steidlmayer). (Replaced 18-inch steel pipe installed under Permit No. 1755, 1953 - Pete Andreotti). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/6/2019 8:27:11 AM						

LM Start	31.87	Rating **	M	Issue No.	1629 (cont)
LM End	31.87	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54146_79725.jpg



Levee crown at crossing. Damaged steel riser on WS shoulder

Photo 2 of 3 : UCIP_FA_2019_54146_79726.jpg



Portion of pipe is visible on LS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	31.87	Rating **	M	Issue No.	1629 (cont)	
LM End	31.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.068230 °	39.068230 °	
				-121.874052 °	-121.874052 °	
DWR ID	20263					
Comment Code						
Inspector Comment						
DS_ID:20263 FS_ID:54146 EP_NO: 1755A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/06/2019 Steel riser on WS berm is damaged. Portion of pipe is visible on LS slope. It gets impacted every time vegetation control is performed. (Special condition twenty of permit 1755-A hasn't been met. Pipe needs to be buried at least 12 inches in the levee slope.) (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 4 feet below the crown. Slant pump on the waterside (WS) bank. Siphon breaker inside a 12-inch steel riser unit on the WS shoulder. Pipe may terminate inside an 18-inch concrete riser on the landside (LS) toe. (Permit No. 1755-A, 1979 - Julie Ann Steidlmayer). (Replaced 18-inch steel pipe installed under Permit No. 1755, 1953 - Pete Andreotti). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/6/2019 8:27:11 AM						

Photo 3 of 3 : UCIP_FA_2019_54146_79727.jpg



View of LS slope

LM Start	31.89	Rating **	M	Issue No.	1630
LM End	31.89	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.068371 °	39.068371 °
				-121.874339 °	-121.874339 °
DWR ID	20343				
Comment Code					
Inspector Comment					
DS_ID:20343 FS_ID:54147 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/06/2019 Pipe not found. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 12-inch irrigation pipe of an unknown material through the levee, 4 feet below the crown. Pump on waterside (WS). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 32.28)]. FS Date: 5/6/2019 1:28:49 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	32.03	Rating **	M	Issue No.	41
LM End	32.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.069130 °	39.069130 °
				-121.876638 °	-121.876638 °
DWR ID	DWR_NA0016_01_s_2012_41				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	32.27	Rating **	M	Issue No.	1631	
LM End	32.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.069857 °	39.069857 °	
				-121.880923 °	-121.880923 °	
DWR ID	20304					
Comment Code						
Inspector Comment						
DS_ID:20304 FS_ID:54148 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/06/2019 Crossing looks abandoned, so needs a proper abandonment or removal. (DWR UCIP O.Yakimov)03/15/2013 Need to verify type of abandonment FIELD_STRUCT_DESC: *ABANDONED* 2 of 4: 4-inch irrigation pipe of an unknown material through the levee, 6.5 feet below the crown. Gate valve on the waterside (WS) end. Siphon breaker inside a 24-inch corrugated metal riser unit on the landside (LS) slope. 4-foot by 4-foot concrete distribution box on the south side of Highway 45 at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 131, May 1960 (HLM 32.68)]. FS Date: 5/6/2019 1:42:33 PM						

Photo 1 of 3 : UCIP_FA_2019_54148_79730.jpg



CMP riser on LS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	32.27	Rating **	M	Issue No.	1631 (cont)	
LM End	32.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.069857 °	39.069857 °	
				-121.880923 °	-121.880923 °	
DWR ID	20304					
Comment Code						
Inspector Comment						
DS_ID:20304						
FS_ID:54148						
EP_NO: 9374						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 05/06/2019 Crossing looks abandoned, so needs a proper abandonment or removal. (DWR UCIP O.Yakimov)03/15/2013						
Need to verify type of abandonment						
FIELD_STRUCT_DESC: *ABANDONED* 2 of 4: 4-inch irrigation pipe of an unknown material through the levee, 6.5 feet below the crown. Gate valve on the waterside (WS) end. Siphon breaker inside a 24-inch corrugated metal riser unit on the landside (LS) slope. 4-foot by 4-foot concrete distribution box on the south side of Highway 45 at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 131, May 1960 (HLM 32.68)].						
FS Date: 5/6/2019 1:42:33 PM						

LM Start	32.27	Rating **	M	Issue No.	1631 (cont)
LM End	32.27	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54148_79731.jpg



Riser is filled with soil

Photo 3 of 3 : UCIP_FA_2019_54148_79732.jpg



LS berm where 4x4 concrete box is located

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	32.45	Rating **	M	Issue No.	1632
LM End	32.45	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.070257°	39.070257°
				-121.884348°	-121.884348°
DWR ID	20264				
Comment Code					
Inspector Comment					
DS_ID:20264 FS_ID:54149 EP_NO: 9339 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Electric motor is taken off its platform at slant pump on WS berm. Bare wires coming off a conduit near electric box on WS berm. Concrete standpipe is broken at ground level near distribution box on LS that poses fall hazard to the crossing. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 21 feet below the crown. Slide gate inside a concrete box on the waterside (WS) berm. Slant pump on the WS bank. Pipe discharges into a 7-foot by 9-foot concrete box across the county road. Service pole and switch panel on the WS berm. (Automatic Board Order (ABO) issued as Permit No. 9339, 1974 - Allen Moore). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 32.87)]. FS Date: 5/7/2019 2:32:26 PM					

LM Start	32.45	Rating **	M	Issue No.	1632 (cont)
LM End	32.45	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54149_79734.jpg



Levee crown at crossing

Photo 2 of 3 : UCIP_FA_2019_54149_79735.jpg



7X9-foot concrete distribution boxoff LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	32.45	Rating **	M	Issue No.	1632 (cont)	
LM End	32.45	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.070257 °	39.070257 °	
				-121.884348 °	-121.884348 °	
DWR ID	20264					
Comment Code						
Inspector Comment						
DS_ID:20264 FS_ID:54149 EP_NO: 9339 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Electric motor is taken off its platform at slant pump on WS berm. Bare wires coming off a conduit near electric box on WS berm. Concrete standpipe is broken at ground level near distribution box on LS that poses fall hazard to the crossing. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 21 feet below the crown. Slide gate inside a concrete box on the waterside (WS) berm. Slant pump on the WS bank. Pipe discharges into a 7-foot by 9-foot concrete box across the county road. Service pole and switch panel on the WS berm. (Automatic Board Order (ABO) issued as Permit No. 9339, 1974 - Allen Moore). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 32.87)]. FS Date: 5/7/2019 2:32:26 PM						

Photo 3 of 3 : UCIP_FA_2019_54149_79736.jpg



Slant pump on WS berm without motor

LM Start	32.70	Rating **	M	Issue No.	1633
LM End	32.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.071543 °	39.071543 °
				-121.888543 °	-121.888543 °
DWR ID	20305				
Comment Code					
Inspector Comment					
DS_ID:20305					
FS_ID:54153					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: 05/07/2019 Pipe not found (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: *ABANDONED* 36-inch steel irrigation pipe through the levee, 18 feet below the crown. Plugged with concrete on the waterside (WS) end. Screw gate on the WS end. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 33.09)].					
FS Date: 5/7/2019 7:55:46 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	32.95	Rating **	C	Issue No.	87
LM End	32.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.074125 °	39.074125 °
				-121.891836 °	-121.891836 °
DWR ID	DWR_NA0016_01_f_2016_87				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood is located within 10 feet of levee toe on the landside.					

No Photos

LM Start	32.97	Rating **	M	Issue No.	43
LM End	32.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.074346 °	39.074346 °
				-121.892048 °	-121.892048 °
DWR ID	DWR_NA0016_01_s_2019_43				
Comment Code					
FE : Fence					
Inspector Comment					
Fence is blocking access on the landside toe.					

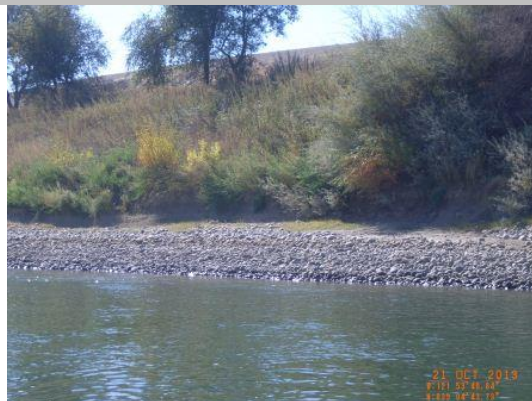
Photo 1 of 1 : FA_2019_NA0016_435_43_20190829_00015.jpg



View of fence along landside levee toe. Spring 2017.

LM Start	33.29	Rating **	A/W	Issue No.	93
LM End	33.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.078340 °	39.079351 °
				-121.894656 °	-121.895317 °
DWR ID	DWR_NA0016_01_f_2018_93				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 125.6 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2008 - Slow erosion of the hard toe. 2010 - Cobble rubble is failing, erosion is into the toe of the levee, with vertical slumping.					
2012 - Site appears to be relatively stable. 2013 - New animal holes.					

Photo 1 of 1 : FA_2019_NA0016_435_93_20190829_00031.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	33.95	Rating **	M	Issue No.	1634	
LM End	33.95	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.086407 °	39.086407 °	
				-121.896269 °	-121.896269 °	
DWR ID	20267					
Comment Code						
Inspector Comment						
DS_ID:20267 FS_ID:54155 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/07/2019 Pipe not found (O.Yakimov - DWR UCIP)03/18/2013 probably removed after well drilling completed FIELD_STRUCT_DESC: 3-inch steel water intake pipe through the top of the levee crown. Water being used for well drilling operation, 200 feet from landside (LS) toe. FS Date: 5/7/2019 8:30:53 AM						

No Photos

LM Start	34.00	Rating **	M	Issue No.	1635	
LM End	34.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.087072 °	39.087072 °	
				-121.896464 °	-121.896464 °	
DWR ID	20268					
Comment Code						
Inspector Comment						
DS_ID:20268 FS_ID:54156 EP_NO: 9364A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 This pipe is a candidate for internal video inspection. (O.Yakimov - DWR UCIP)03/18/2013 Pipe rusted through at concrete distribution box. May be indicator of pipe condition through levee. FIELD_STRUCT_DESC: 1 of 4: 16-inch steel irrigation pipe through the levee, 6.3 feet below the crown. Pump in pump house on the waterside (WS) end. Siphon breaker in a 36-inch steel riser unit on the landside (LS) slope. Discharges into a 5-foot by 9-foot concrete distribution box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9364-A, 1974 - Alice Steidlmayer). (Installed by the United States Army Corp of Engineers, 1945). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 34.46)]. FS Date: 5/7/2019 8:34:43 AM						

Photo 1 of 3 : UCIP_FA_2019_54156_79754.jpg



Levee crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	34.00	Rating **	M	Issue No.	1635 (cont)
LM End	34.00	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.087072 °	39.087072 °	
			-121.896464 °	-121.896464 °	
DWR ID	20268				

Comment Code

Inspector Comment

DS_ID:20268
FS_ID:54156
EP_NO: 9364A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 05/07/2019 This pipe is a candidate for internal video inspection. (O.Yakimov - DWR UCIP)03/18/2013 Pipe rusted through at concrete distribution box. May be indicator of pipe condition through levee.
FIELD_STRUCT_DESC: 1 of 4: 16-inch steel irrigation pipe through the levee, 6.3 feet below the crown. Pump in pump house on the waterside (WS) end. Siphon breaker in a 36-inch steel riser unit on the landside (LS) slope. Discharges into a 5-foot by 9-foot concrete distribution box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9364-A, 1974 - Alice Steidlmayer). (Installed by the United States Army Corp of Engineers, 1945). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 34.46)].
FS Date: 5/7/2019 8:34:43 AM

LM Start	34.00	Rating **	M	Issue No.	1635 (cont)
LM End	34.00	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54156_79750.jpg



Air vent in 36-inch steel riser on LS shoulder

Photo 3 of 3 : UCIP_FA_2019_54156_79751.jpg



Air vent comes out of steel riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	34.01	Rating **	M	Issue No.	100
LM End	34.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.087176 °	39.088099 °
				-121.896480 °	-121.896498 °
DWR ID	DWR_NA0016_01_f_2018_100				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0016_435_100_20190829_00037.jpg



View of the ditch at the landward side of the levee looking upstream. Spring 2015.

LM Start	34.01	Rating **	M	Issue No.	1636
LM End	34.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.087215 °	39.087215 °
				-121.896471 °	-121.896471 °
DWR ID	20269				
Comment Code					
Inspector Comment					
DS_ID:20269 FS_ID:54157 EP_NO: 9364A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/07/2019 Abandoned crossing. Needs to be properly abandoned or removed. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 2 of 4: 16-inch steel irrigation pipe through the levee, 6.5 feet below the crown. Plugged on the waterside (WS) end. Siphon breaker in a 24-inch corrugated metal riser unit on the landside (LS) shoulder (Automatic Board Order (ABO) issued as Permit No. 9364-A, 1974 - Alice Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 34.47)]. FS Date: 5/7/2019 11:18:46 AM					

Photo 1 of 3 : UCIP_FA_2019_54157_79757.jpg



Levee crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	34.01	Rating **	M	Issue No.	1636 (cont)	
LM End	34.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.087215 °	39.087215 °	
				-121.896471 °	-121.896471 °	
DWR ID	20269					
Comment Code						
Inspector Comment						
DS_ID:20269 FS_ID:54157 EP_NO: 9364A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/07/2019 Abandoned crossing. Needs to be properly abandoned or removed. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 2 of 4: 16-inch steel irrigation pipe through the levee, 6.5 feet below the crown. Plugged on the waterside (WS) end. Siphon breaker in a 24-inch corrugated metal riser unit on the landside (LS) shoulder (Automatic Board Order (ABO) issued as Permit No. 9364-A, 1974 - Alice Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 34.47)]. FS Date: 5/7/2019 11:18:46 AM						

Photo 2 of 3 : UCIP_FA_2019_54157_79755.jpg



24-inch CMP riser on LS shoulder

LM Start	34.01	Rating **	M	Issue No.	1636 (cont)
LM End	34.01	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_54157_79756.jpg



View inside of CMP riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	34.24	Rating **	A/W	Issue No.	123
LM End	34.56	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.090511 °	39.094967 °
				-121.895675 °	-121.894858 °
DWR ID	SRWLD-03				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:185					
Site Designation:SRWLD-03					
Repair Type: Seepage					
Rating:Critical					
Field Date:7/14/2017					
Notes: Well water tank 10' from LS toe & wire fence at LS toe					
Potential seepage berm site.					

Photo 1 of 3 : LEVAL_FA_2019_185_1625.jpg



LM Start	34.24	Rating **	A/W	Issue No.	123 (cont)
LM End	34.56	Issue Type +	Ob	Location *	

Photo 2 of 3 : LEVAL_FA_2019_185_1627.jpg

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

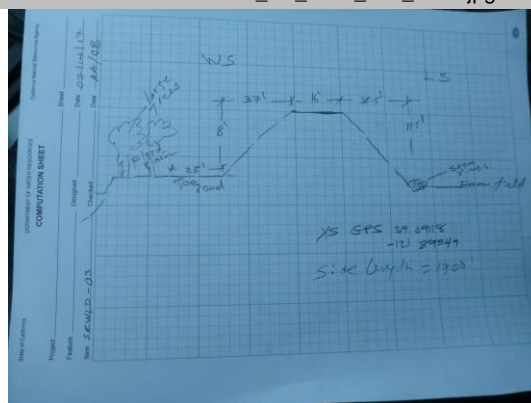
Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	34.24	Rating **	A/W	Issue No.	123 (cont)
LM End	34.56	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.090511 °	39.094967 °
				-121.895675 °	-121.894858 °
DWR ID	SRWLD-03				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:185 Site Designation:SRWLD-03 Repair Type: Seepage Rating:Critical Field Date:7/14/2017 Notes: Well water tank 10' from LS toe & wire fence at LS toe Potential seepage berm site.					

Photo 3 of 3 : LEVAL_FA_2019_185_1633.jpg



LM Start	34.65	Rating **	A/W	Issue No.	125
LM End	34.72	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.095592 °	39.095589 °
				-121.896103 °	-121.897400 °
DWR ID	SRWLD-02				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:184 Site Designation:SRWLD-02 Repair Type: Seepage Rating:Critical Field Date:7/14/2017 Notes: Potential seepage berm site.					

Photo 1 of 3 : LEVAL_FA_2019_184_1613.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	34.65	Rating **	A/W	Issue No.	125 (cont)	
LM End	34.72	Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			39.095592°	39.095589°	
				-121.896103°	-121.897400°	
DWR ID	SRWLD-02					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:184						
Site Designation:SRWLD-02						
Repair Type: Seepage						
Rating:Critical						
Field Date:7/14/2017						
Notes: Potential seepage berm site.						

LM Start	34.65	Rating **	A/W	Issue No.	125 (cont)
LM End	34.72	Issue Type +	Ob	Location *	

Photo 2 of 3 : LEVAL_FA_2019_184_1615.jpg



Photo 3 of 3 : LEVAL_FA_2019_184_1622.jpg



* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	35.23	Rating **	A/W	Issue No.	94
LM End	35.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.099482 °	39.100836 °
				-121.903430 °	-121.904320 °
DWR ID	DWR_NA0016_01_f_2018_94				

Comment Code

Inspector Comment

2017 Site ID: SAC 127.9 R
Status: Eroding
2017 Field Notes: fresh erosion at lower slope.
Site History: 1997 - Major scour off the downstream end of existing rock, creating a scour pocket where the levee starts diverging from the bankline. 2000 - Some minor erosion, 20 ft deep hole at downstream end. 2004 - Small amount of new erosion. 2010 - Bad transition off downstream end of rock revetment, some new erosion. 2012 - Site extended downstream, minor new erosion. 2013- Minor new erosion. 2016 - Fresh erosion at toe.

Photo 1 of 1 : FA_2019_NA0016_435_94_20190829_00032.jpg



USACE 2013 Photo #1

LM Start	35.26	Rating **	A/W	Issue No.	114
LM End	35.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.099746 °	39.100122 °
				-121.904555 °	-121.904658 °
DWR ID	DWR_NA0016_01_s_2019_114				

Comment Code

E1 : Note and monitor erosion site.

Inspector Comment

Erosion on the waterside berm reported during 2018 storms. Approximately 45' from the bank to the waterside toe is left. Recommend monitoring.

Photo 1 of 5 : FA_2019_NA0016_435_114_20190829_00048.jpg



View of the downstream stake on the waterside berm. Spring 2019.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	35.26	Rating **	A/W	Issue No.	114 (cont)
LM End	35.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.099746 °	39.100122 °
				-121.904555 °	-121.904658 °
DWR ID	DWR_NA0016_01_s_2019_114				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on the waterside berm reported during 2018 storms. Approximately 45' from the bank to the waterside toe is left. Recommend monitoring.					

LM Start	35.26	Rating **	A/W	Issue No.	114 (cont)
LM End	35.29	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : FA_2019_NA0016_435_114_20190829_00049.jpg



View of the middle stake on the waterside berm. Spring 2019.

Photo 3 of 5 : FA_2019_NA0016_435_114_20190829_00050.jpg



View of the erosion site facing downstream. Spring 2019.

LM Start	35.26	Rating **	A/W	Issue No.	114 (cont)
LM End	35.29	Issue Type +	Ma	Location *	WS

Photo 4 of 5 : FA_2019_NA0016_435_114_20190829_00051.jpg



View of the upstream stake on the waterside berm. Spring 2019.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	35.26	Rating **	A/W	Issue No.	114 (cont)	
LM End	35.29	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.099746 °	39.100122 °	
				-121.904555 °	-121.904658 °	
DWR ID	DWR_NA0016_01_s_2019_114					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion on the waterside berm reported during 2018 storms. Approximately 45' from the bank to the waterside toe is left. Recommend monitoring.						

Photo 5 of 5 : FA_2019_NA0016_435_114_20190829_00052.jpg



View of the erosion site from the crown, facing upstream. Spring 2019.

LM Start	35.42	Rating **	M	Issue No.	1637
LM End	35.42	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.101770°	39.101770°
				-121.905800°	-121.905800°
DWR ID	20306				
Comment Code					
Inspector Comment					
DS_ID:20306 FS_ID:54161 EP_NO: 12632 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Crossing is excavated on LS berm for installation of 2 discharge pipes with butterfly valves. A shutoff device installed before crossing enters CMP standpipe near LS toe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 6 feet below the crown. Pump and motor on pile platform on the waterside (WS) approximately 300 feet downstream from the pipe crossing, an ait vent next to it. Butterfly valve in covered corrugated metal riser on WS shoulder, utility box at WS toe. Siphon breaker inside a 12-inch corrugated metal riser unit on the landside (LS) shoulder. 55-inch corrugated metal standpipe near the LS toe. (Permit No. 12632, 1979 - J. Peter Steidlmayer, Secondary Permit No. 12632-A, 2011 - J. Peter Steidlmayer). [Additional Reference(s): DWR Levee Log, 1980]. FS Date: 5/7/2019 1:02:00 PM					

Photo 1 of 3 : UCIP_FA_2019_54161_79766.jpg



Pumping platform and air vent on WS berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	35.42	Rating **	M	Issue No.	1637 (cont)	
LM End	35.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.101770 °	39.101770 °	
				-121.905800 °	-121.905800 °	
DWR ID	20306					
Comment Code						
Inspector Comment						
DS_ID:20306 FS_ID:54161 EP_NO: 12632 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Crossing is excavated on LS berm for installation of 2 discharge pipes with butterfly valves. A shutoff device installed before crossing enters CMP standpipe near LS toe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 6 feet below the crown. Pump and motor on pile platform on the waterside (WS) approximately 300 feet downstream from the pipe crossing, an ait vent next to it. Butterfly valve in covered corrugated metal riser on WS shoulder, utility box at WS toe. Siphon breaker inside a 12-inch corrugated metal riser unit on the landside (LS) shoulder. 55-inch corrugated metal standpipe near the LS toe. (Permit No. 12632, 1979 - J. Peter Steidlmyer, Secondary Permit No. 12632-A, 2011 - J. Peter Steidlmyer). [Additional Reference(s): DWR Levee Log, 1980]. FS Date: 5/7/2019 1:02:00 PM						

LM Start	35.42	Rating **	M	Issue No.	1637 (cont)
LM End	35.42	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54161_79767.jpg



Utility box at estimated location of pipe connection

Photo 3 of 3 : UCIP_FA_2019_54161_79768.jpg



CMP riser at WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	35.56	Rating **	M	Issue No.	1638	
LM End	35.56	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.103533 °	39.103533 °	
				-121.906814 °	-121.906814 °	
DWR ID	20273					
Comment Code						
Inspector Comment						
DS_ID:20273 FS_ID:54162 EP_NO: 9364A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/07/2019 Crossing looks abandoned. Should be removed or abandoned properly. (O.Yakimov - DWR UCIP)03/18/2013 Need to verify type of abandonment. FIELD_STRUCT_DESC: 3 of 4: 18-inch steel irrigation pipe through the levee, 16 feet below the crown. Metal cutoff wall. Gate valve on the waterside (WS) bank. Siphon breaker in a 24-inch corrugated metal riser unit on the landside (LS) shoulder. (Automatic Board Order (ABO) issued as Permit No. 9364-A, 1974 - Alice Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 36.04)]. FS Date: 5/7/2019 3:05:52 PM						

LM Start	35.56	Rating **	M	Issue No.	1638 (cont)
LM End	35.56	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2019_54162_79772.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder

Photo 2 of 2 : UCIP_FA_2019_54162_79771.jpg



View inside of CMP riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	35.56	Rating **	M	Issue No.	1639
LM End	35.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.103533 °	39.103533 °
				-121.906814 °	-121.906814 °
DWR ID	20398				
Comment Code					
Inspector Comment					
DS_ID:20398 FS_ID:54163 EP_NO: 9364 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Needs to be removed from the levee. (O.Yakimov - DWR UCIP)03/18/2013 Remove abandoned pipe from levee. FIELD_STRUCT_DESC: *ABANDONED* 4 of 4: 1.25-inch electrical conduit of an unknown material through the levee, 3 feet below the crown. (Automatic Board Order (ABO) issued as Permit No. 9364-A, 1974 - Alice Steidlmayer). FS Date: 5/7/2019 7:46:31 AM					

Photo 1 of 2 : UCIP_FA_2019_54163_17702.jpg



Electrical conduit on WS shoulder

LM Start	35.56	Rating **	M	Issue No.	1639 (cont)
LM End	35.56	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2019_54163_17701.jpg



Electrical conduit on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	35.60	Rating **	C	Issue No.	115
LM End	35.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.104121°	39.104121°
				-121.907002°	-121.907002°
DWR ID	DWR_NA0016_01_s_2019_115				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

LM Start	36.15	Rating **	M	Issue No.	1640	
LM End	36.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.111233 °	39.111233 °	
				-121.911450 °	-121.911450 °	
DWR ID	20345					
Comment Code						
Inspector Comment						
DS_ID:20345 FS_ID:54164 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Pipe is capped on LS approximately 15 feet from LS toe. Minor water leakage observed around capped pipe. (O.Yakimov - DWR UCIP)03/18/2013 Verify if pipe is abandoned with landowner and remove or abandon properly if necessary. FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 24-inch concrete encased steel drainage pipe through the levee, 17 feet below the crown. Slide gate on concrete headwall on waterside (WS) end. Walkway to control gate and gate valve on landside (LS) end. (24-inch pipe [HLM 36.61] authorized under Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 36.61)]. FS Date: 5/7/2019 8:40:51 AM						

Photo 1 of 3 : UCIP_FA_2019_54164_79775.jpg



Outlet/inlet on WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	36.15	Rating **	M	Issue No.	1640 (cont)	
LM End	36.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.111233 °	39.111233 °	
				-121.911450 °	-121.911450 °	
DWR ID	20345					
Comment Code						
Inspector Comment						
DS_ID:20345 FS_ID:54164 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Pipe is capped on LS approximately 15 feet from LS toe. Minor water leakage observed around capped pipe. (O.Yakimov - DWR UCIP)03/18/2013 Verify if pipe is abandoned with landowner and remove or abandon properly if necessary. FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 24-inch concrete encased steel drainage pipe through the levee, 17 feet below the crown. Slide gate on concrete headwall on waterside (WS) end. Walkway to control gate and gate valve on landside (LS) end. (24-inch pipe [HLM 36.61] authorized under Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 36.61)]. FS Date: 5/7/2019 8:40:51 AM						

Photo 2 of 3 : UCIP_FA_2019_54164_79776.jpg



LS levee slope

LM Start	36.15	Rating **	M	Issue No.	1640 (cont)
LM End	36.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54164_79777.jpg



Water leaks around capped pipe on LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	36.24	Rating **	M	Issue No.	1641
LM End	36.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.112377 °	39.112377 °
				-121.912286 °	-121.912286 °
DWR ID	20274				

Comment Code

Inspector Comment

DS_ID:20274

FS_ID:54166

EP_NO: 9374

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 05/07/2019 Slide gate in a CMP riser on WS slope is in closed position. Debris inside of CMP riser. Stem of the slide gate is bent that makes it inoperable. Pipe is cut off at WS berm and a plate bolted to the pipe end. Owner needs to abandon properly or remove pipe if not planning to use. (O.Yakimov - DWR UCIP)03/18/2013 Pipe should be abandoned properly.

FIELD_STRUCT_DESC: 4 of 4: 24-inch corrugated metal irrigation pipe through the levee, 15.5 feet below the crown. Two corrugated metal cutoff walls. Slide gate in a 36-inch corrugated metal riser unit on the waterside (WS) slope. Pump house with no connection on the WS bank. 12-inch steel pipe with steel plate over end at WS toe (likely pump connection point). 6-foot diameter concrete riser on landside (LS) toe. Skid rails mounted on wood piling on the WS slope. Department of Water Resources B.M. SR 47 on top of concrete anchor post on the WS shoulder. Power pole and meter box on the WS shoulder. Switch panel in metal house on the WS slope. Concrete standpipe on the LS. Overhead power line crosses the levee to service pole. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/7/2019 7:51:00 AM

LM Start	36.24	Rating **	M	Issue No.	1641 (cont)
LM End	36.24	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54166_79779.jpg



View of WS slope

Photo 2 of 3 : UCIP_FA_2019_54166_79780.jpg



CMP riser on WS slope with inoperable slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	36.24	Rating **	M	Issue No.	1641 (cont)
LM End	36.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.112377°	39.112377°
				-121.912286°	-121.912286°
DWR ID	20274				
Comment Code					
Inspector Comment					
DS_ID:20274 FS_ID:54166 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Slide gate in a CMP riser on WS slope is in closed position. Debris inside of CMP riser. Stem of the slide gate is bent that makes it inoperable. Pipe is cut off at WS berm and a plate bolted to the pipe end. Owner needs to abandon properly or remove pipe if not planning to use. (O.Yakimov - DWR UCIP)03/18/2013 Pipe should be abandoned properly. FIELD_STRUCT_DESC: 4 of 4: 24-inch corrugated metal irrigation pipe through the levee, 15.5 feet below the crown. Two corrugated metal cutoff walls. Slide gate in a 36-inch corrugated metal riser unit on the waterside (WS) slope. Pump house with no connection on the WS bank. 12-inch steel pipe with steel plate over end at WS toe (likely pump connection point). 6-foot diameter concrete riser on landside (LS) toe. Skid rails mounted on wood piling on the WS slope. Department of Water Resources B.M. SR 47 on top of concrete anchor post on the WS shoulder. Power pole and meter box on the WS shoulder. Switch panel in metal house on the WS slope. Concrete standpipe on the LS. Overhead power line crosses the levee to service pole. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/7/2019 7:51:00 AM					

Photo 3 of 3 : UCIP_FA_2019_54166_79781.jpg



View inside of CMP riser on WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	36.25	Rating **	M	Issue No.	1642	
LM End	36.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.112439 °	39.112439 °	
				-121.912352 °	-121.912352 °	
DWR ID	20420					
Comment Code						
Inspector Comment						
DS_ID:20420 FS_ID:54167 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/07/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 18-inch irrigation pipe of an unknown material through the levee, 15.5 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 36.71)]. FS Date: 5/7/2019 10:23:40 AM						

No Photos

LM Start	36.27	Rating **	M	Issue No.	170
LM End	36.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.112639 °	39.112639 °
				-121.912613 °	-121.912613 °
DWR ID	DWR_NA0016_01_f_2019_170				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree limbs on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	36.42	Rating **	M	Issue No.	171
LM End	36.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.114455 °	39.114455 °
				-121.914114 °	-121.914114 °
DWR ID	DWR_NA0016_01_f_2019_171				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent hole on the landside slope.					

No Photos

LM Start	36.76	Rating **	C	Issue No.	117
LM End	36.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.119303 °	39.119303 °
				-121.915127 °	-121.915127 °
DWR ID	DWR_NA0016_01_s_2019_117				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the waterside slope.					

No Photos

LM Start	36.90	Rating **	M	Issue No.	101
LM End	37.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.120210°	39.121510°
				-121.917018°	-121.921172°
DWR ID	DWR_NA0016_01_s_2015_101				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	37.05	Rating **	M	Issue No.	1643	
LM End	37.05	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.120783 °	39.120783 °	
				-121.919532 °	-121.919532 °	
DWR ID	20413					
Comment Code						
Inspector Comment						
DS_ID:20413						
FS_ID:54168						
EP_NO: 18300						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 05/07/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 2: 1-inch electrical conduit of an unknown material through the levee, 2 feet below the crown. Pump on platform supported by four 8-inch steel pilings on the waterside (WS) berm. (Permit No. 18300, 2007 - Mark Steidlmayer).						
FS Date: 5/7/2019 10:27:36 AM						

No Photos

LM Start	37.07	Rating **	A/W	Issue No.	33
LM End	37.15	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.121003 °	39.121547 °
				-121.919888 °	-121.921278 °
DWR ID	DWR_NA0016_01_s_2012_33				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					
Revegetation site is fenced off.					

Photo 1 of 2 : FA_2019_NA0016_435_33_20190829_00013.jpg



View of the revegetation site on the waterward berm of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	37.07	Rating **	A/W	Issue No.	33 (cont)	
LM End	37.15	Issue Type +	Ob	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			39.121003 °		39.121547 °
				-121.919888 °		-121.921278 °
DWR ID	DWR_NA0016_01_s _ 2012_33					
Comment Code						
V8 : Environmental Requirements.						
Inspector Comment						
Revegetation site is fenced off.						

Photo 2 of 2 : FA_2019_NA0016_435_33_20190829_00014.jpg



Sign stating the revegetation site. Spring 2016.

LM Start	37.15	Rating **	M	Issue No.	172
LM End	37.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.121526 °	39.121526 °
				-121.921243 °	-121.921243 °
DWR ID	DWR_NA0016_01_f _ 2019_172				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	37.19	Rating **	M	Issue No.	1644	
LM End	37.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.121737 °	39.121737 °	
				-121.921950 °	-121.921950 °	
DWR ID	20275					
Comment Code						
Inspector Comment						
DS_ID:20275 FS_ID:54173 EP_NO: 9344 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 3: 30-inch by 30-inch reinforced concrete box irrigation culvert through the levee, 19 feet below the crown. Slide gate in 6-foot by 8-foot concrete surge box at the toe of the waterside (WS) slope. Pump in pump house on the WS berm. Concrete distribution box on the landside (LS). (Automatic Board Order (ABO) issued as Permit No. 9344, 1974 - George E. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 37.67)]. FS Date: 5/7/2019 12:46:27 PM						

LM Start	37.19	Rating **	M	Issue No.	1644 (cont)
LM End	37.19	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54173_79800.jpg



Walkway and pumphouse on LS toe

Photo 2 of 3 : UCIP_FA_2019_54173_79801.jpg



Slide gate and flap gates in Concretesurge box on WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	37.19	Rating **	M	Issue No.	1644 (cont)	
LM End	37.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.121737°	39.121737°	
				-121.921950°	-121.921950°	
DWR ID	20275					
Comment Code						
Inspector Comment						
DS_ID:20275 FS_ID:54173 EP_NO: 9344 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 3: 30-inch by 30-inch reinforced concrete box irrigation culvert through the levee, 19 feet below the crown. Slide gate in 6-foot by 8-foot concrete surge box at the toe of the waterside (WS) slope. Pump in pump house on the WS berm. Concrete distribution box on the landside (LS). (Automatic Board Order (ABO) issued as Permit No. 9344, 1974 - George E. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 37.67)]. FS Date: 5/7/2019 12:46:27 PM						

Photo 3 of 3 : UCIP_FA_2019_54173_79802.jpg



Concrete distribution box on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	37.47	Rating **	U	Issue No.	1645
LM End	37.47	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.124064 °	39.124064 °	
			-121.926198 °	-121.926198 °	
DWR ID	20307				

Comment Code

Inspector Comment

DS_ID:20307
FS_ID:54061
EP_NO: 1734
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 05/22/2019 Failed siphon breaker lets water out of pipe on WS slope that creates erosion around the pipe. Noticed multiple through holes in pipe outlet on river's edge. Owner is in process to apply for a permit to replace the pipe. (O.Yakimov - DWR UCIP)
Good candidate for video inspection as pipe is heavily rusted at outlet.
FIELD_STRUCT_DESC: 8-inch steel drainage pipe through the levee, 1 foot below the crown. One metal cutoff wall. Vertical pumping unit in drainage ditch at the landside (LS) toe. Siphon breaker on the waterside (WS) slope. (Permit No. 1734, 1953 - Davis Ranches). [Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 131, May 1960 (HLM 37.95)].
FS Date: 5/22/2019 8:03:31 AM

LM Start	37.47	Rating **	U	Issue No.	1645 (cont)
LM End	37.47	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54061_79354.jpg



View of levee crown at crossing

Photo 2 of 3 : UCIP_FA_2019_54061_79355.jpg



Erosion on WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	37.47	Rating **	U	Issue No.	1645 (cont)	
LM End	37.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.124064 °	39.124064 °	
				-121.926198 °	-121.926198 °	
DWR ID	20307					
Comment Code						
Inspector Comment						
DS_ID:20307 FS_ID:54061 EP_NO: 1734 Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Failed siphon breaker lets water out of pipe on WS slope that creates erosion around the pipe. Noticed multiple through holes in pipe outlet on river's edge. Owner is in process to apply for a permit to replace the pipe. (O.Yakimov - DWR UCIP) Good candidate for video inspection as pipe is heavily rusted at outlet. FIELD_STRUCT_DESC: 8-inch steel drainage pipe through the levee, 1 foot below the crown. One metal cutoff wall. Vertical pumping unit in drainage ditch at the landside (LS) toe. Siphon breaker on the waterside (WS) slope. (Permit No. 1734, 1953 - Davis Ranches). [Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 131, May 1960 (HLM 37.95)]. FS Date: 5/22/2019 8:03:31 AM						

Photo 3 of 3 : UCIP_FA_2019_54061_79356.jpg



Erosion on WS slope around pipe

LM Start	37.87	Rating **	M	Issue No.	175
LM End	37.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.128344 °	39.128344 °
				-121.930752 °	-121.930752 °
DWR ID	DWR_NA0016_01_s_2017_175				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete debris on waterside slope, blocking access.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	38.40	Rating **	M	Issue No.	1646	
LM End	38.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.132481 °	39.132481 °	
				-121.938703 °	-121.938703 °	
DWR ID	20346					
Comment Code						
Inspector Comment						
DS_ID:20346						
FS_ID:54175						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 05/07/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 2: 3-foot by 4-foot reinforced concrete box drainage culvert through the levee, 21 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 38.89)].						
FS Date: 5/7/2019 1:02:48 PM						

No Photos

LM Start	38.41	Rating **	M	Issue No.	1647
LM End	38.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.132576°	39.132576°
				-121.938774°	-121.938774°
DWR ID	20277				
Comment Code					
Inspector Comment					
DS_ID:20277 FS_ID:54177 EP_NO: 9356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Cover missing on CMP riser WS. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 5: 16-inch concrete encased steel irrigation pipe through the levee, 20 feet below the crown. Two concrete walls. Slant pump mounted on channel iron supports the waterside (WS) bank. Slide gate in 60-inch corrugated metal riser unit on the WS slope. Flap gate mounted in a concrete distribution box on the landside (LS). Water meter in 48-inch corrugated metal riser unit on the WS berm. (Automatic Board Order (ABO) issued as Permit No. 9356, 1974 - Annie D. Propfe). (Pipe installed by the United States Army Corps of Engineers, 1962). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/22/2019 1:06:22 PM					

Photo 1 of 3 : UCIP_FA_2019_54177_79808.jpg



Pumping platform on WS berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	38.41	Rating **	M	Issue No.	1647 (cont)	
LM End	38.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.132576°	39.132576°	
				-121.938774°	-121.938774°	
DWR ID	20277					
Comment Code						
Inspector Comment						
DS_ID:20277 FS_ID:54177 EP_NO: 9356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Cover missing on CMP riser WS. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 5: 16-inch concrete encased steel irrigation pipe through the levee, 20 feet below the crown. Two concrete walls. Slant pump mounted on channel iron supports the waterside (WS) bank. Slide gate in 60-inch corrugated metal riser unit on the WS slope. Flap gate mounted in a concrete distribution box on the landside (LS). Water meter in 48-inch corrugated metal riser unit on the WS berm. (Automatic Board Order (ABO) issued as Permit No. 9356, 1974 - Annie D. Propfe). (Pipe installed by the United States Army Corps of Engineers, 1962). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/22/2019 1:06:22 PM						

LM Start	38.41	Rating **	M	Issue No.	1647 (cont)
LM End	38.41	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54177_79809.jpg



Pump at LS concrete distribution box

Photo 3 of 3 : UCIP_FA_2019_54177_79810.jpg



WS slope and CMP riser on the slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	38.41	Rating **	M	Issue No.	1648	
LM End	38.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.132618 °	39.132618 °	
				-121.938805 °	-121.938805 °	
DWR ID	20399					
Comment Code						
Inspector Comment						
DS_ID:20399						
FS_ID:54178						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 05/22/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 2 of 2: 3-foot by 4-foot reinforced concrete box drainage culvert through the levee, 21 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 38.89)].						
FS Date: 5/22/2019 1:42:24 PM						

No Photos

LM Start	38.72	Rating **	M	Issue No.	1649	
LM End	38.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.136766 °	39.136766 °	
				-121.940295 °	-121.940295 °	
DWR ID	20347					
Comment Code						
Inspector Comment						
DS_ID:20347 FS_ID:54181 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/22/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 6-foot by 6-foot reinforced concrete box irrigation culvert through the levee, 30 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 39.20)]. FS Date: 5/22/2019 3:44:20 PM						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	38.72	Rating **	M	Issue No.	1650	
LM End	38.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.136766 °	39.136766 °	
				-121.940295 °	-121.940295 °	
DWR ID	20400					
Comment Code						
Inspector Comment						
DS_ID:20400						
FS_ID:54182						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 05/22/2019 Crossing not found (O.Yakimov - DWR UCIP)30-inch pipe at same location may run through this culvert.						
FIELD_STRUCT_DESC: 1 of 2: 6-foot by 6-foot reinforced concrete box irrigation culvert through the levee, 30 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 39.20)].						
FS Date: 5/22/2019 4:08:35 PM						

No Photos

LM Start	38.72	Rating **	M	Issue No.	1651
LM End	38.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.136796 °	39.136796 °
				-121.940299 °	-121.940299 °
DWR ID	22964				
Comment Code					
Inspector Comment					
DS_ID:22964 FS_ID:54192 EP_NO: 9356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3-inch galvanized steel electrical conduit through the levee, at an unknown depth. Provides power for a pumping plant on the waterside (WS) slope. FS Date: 5/22/2019 9:02:14 AM					

Photo 1 of 3 : UCIP_FA_2019_54192_79829.jpg



Power pole on LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	38.72	Rating **	M	Issue No.	1651 (cont)	
LM End	38.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.136796 °	39.136796 °	
				-121.940299 °	-121.940299 °	
DWR ID	22964					
Comment Code						
Inspector Comment						
DS_ID:22964 FS_ID:54192 EP_NO: 9356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3-inch galvanized steel electrical conduit through the levee, at an unknown depth. Provides power for a pumping plant on the waterside (WS) slope. FS Date: 5/22/2019 9:02:14 AM						

Photo 2 of 3 : UCIP_FA_2019_54192_79830.jpg



Pumping platform of WS berm

LM Start	38.72	Rating **	M	Issue No.	1651 (cont)
LM End	38.72	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_54192_79831.jpg



Conduit comes out of the ground near pumping platform

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	38.72	Rating **	M	Issue No.	1652	
LM End	38.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.136839 °	39.136839 °	
				-121.940286 °	-121.940286 °	
DWR ID	20313					
Comment Code						
Inspector Comment						
DS_ID:20313						
FS_ID:54193						
EP_NO: 2574						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 05/22/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 2: 30-inch irrigation pipe of an unknown material through the levee, 3 feet below the crown. (Permit No. 2574, 1957 - O. P. Davis).						
FS Date: 5/22/2019 9:08:03 AM						

No Photos

LM Start	38.72	Rating **	M	Issue No.	1653	
LM End	38.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.136869 °	39.136869 °	
				-121.940282 °	-121.940282 °	
DWR ID	20278					
Comment Code						
Inspector Comment						
DS_ID:20278						
FS_ID:54194						
EP_NO: 9356						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 2 of 5: 30-inch steel irrigation pipe through the levee, 10 feet below the crown. Two corrugated metal cutoff walls. Two slant pumps mounted on a steel structure on the waterside (WS) bank. Water meters in two 48-inch corrugated metal riser units on the WS berm. Steel walkway to pumps. Siphon breakers in 24-inch steel risers on the landside (LS) slope. Flap gates on the LS end. Slide gates at metal walkway on LS toe. Concrete headwall on and grouted spillway at the LS toe. Large irrigation ditch by the United States Army Corps of Engineers, 1962. (Automatic Board Order (ABO) issued as Permit No. 9356, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 2006].						
FS Date: 5/22/2019 9:59:44 AM						

Photo 1 of 3 : UCIP_FA_2019_54194_79835.jpg



Pumping platform and pipe at WS berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	38.72	Rating **	M	Issue No.	1653 (cont)	
LM End	38.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.136869 °	39.136869 °	
				-121.940282 °	-121.940282 °	
DWR ID	20278					
Comment Code						
Inspector Comment						
DS_ID:20278 FS_ID:54194 EP_NO: 9356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 5: 30-inch steel irrigation pipe through the levee, 10 feet below the crown. Two corrugated metal cutoff walls. Two slant pumps mounted on a steel structure on the waterside (WS) bank. Water meters in two 48-inch corrugated metal riser units on the WS berm. Steel walkway to pumps. Siphon breakers in 24-inch steel risers on the landside (LS) slope. Flap gates on the LS end. Slide gates at metal walkway on LS toe. Concrete headwall on and grouted spillway at the LS toe. Large irrigation ditch by the United States Army Corps of Engineers, 1962. (Automatic Board Order (ABO) issued as Permit No. 9356, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/22/2019 9:59:44 AM						

LM Start	38.72	Rating **	M	Issue No.	1653 (cont)
LM End	38.72	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54194_79836.jpg



Pipe and fish screen at riverbank

Photo 3 of 3 : UCIP_FA_2019_54194_79832.jpg



View inside of CMP riser next to pumping platform

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	38.73	Rating **	M	Issue No.	1654
LM End	38.73	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.136899 °	39.136899 °
				-121.940289 °	-121.940289 °
DWR ID	20401				
Comment Code					
Inspector Comment					
DS_ID:20401 FS_ID:54195 EP_NO: 9356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3 of 5: 30-inch steel irrigation pipe through the levee, 10 feet below the crown. Two corrugated metal cutoff walls. Two slant pumps mounted on a steel structure on the waterside (WS) bank. Water meters inside two 48-inch corrugated metal riser units on the WS berm. Steel walkway to pumps. Siphon breakers inside 24-inch steel riser units on the landside (LS) slope. Flap gates on the LS end. Concrete headwall on and grouted spillway at the LS toe. Large irrigation ditch built by the United States Army Corps of Engineers in 1962. (Automatic Board Order (ABO) issued as Permit No. 9356, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/22/2019 10:26:53 AM					

LM Start	38.73	Rating **	M	Issue No.	1654 (cont)
LM End	38.73	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54195_79838.jpg



Pipe and fish screen at riverbank

Photo 2 of 3 : UCIP_FA_2019_54195_79842.jpg



Pumping platform and pipe at WS berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	38.73	Rating **	M	Issue No.	1654 (cont)
LM End	38.73	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.136899 °	39.136899 °
				-121.940289 °	-121.940289 °
DWR ID	20401				
Comment Code					
Inspector Comment					
DS_ID:20401 FS_ID:54195 EP_NO: 9356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3 of 5: 30-inch steel irrigation pipe through the levee, 10 feet below the crown. Two corrugated metal cutoff walls. Two slant pumps mounted on a steel structure on the waterside (WS) bank. Water meters inside two 48-inch corrugated metal riser units on the WS berm. Steel walkway to pumps. Siphon breakers inside 24-inch steel riser units on the landside (LS) slope. Flap gates on the LS end. Concrete headwall on and grouted spillway at the LS toe. Large irrigation ditch built by the United States Army Corps of Engineers in 1962. (Automatic Board Order (ABO) issued as Permit No. 9356, 1974 - Annie D. Propfe). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/22/2019 10:26:53 AM					

Photo 3 of 3 : UCIP_FA_2019_54195_79841.jpg



View inside of CMP riser next to pumping platform

LM Start	38.73	Rating **	M	Issue No.	1655
LM End	38.73	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.136983 °	39.136983 °
				-121.940283 °	-121.940283 °
DWR ID	20405				
Comment Code					
Inspector Comment					
DS_ID:20405 FS_ID:54196 EP_NO: 2574 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/22/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 24-inch irrigation pipe of an unknown material through the levee, 3 feet below the crown. (Permit No. 2574, 1957 - O. P. Davis). FS Date: 5/22/2019 10:32:01 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	39.18	Rating **	M	Issue No.	1656
LM End	39.18	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.143261 °	39.143261 °
				-121.939707 °	-121.939707 °
DWR ID	20279				
Comment Code					
Inspector Comment					
DS_ID:20279 FS_ID:54197 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 3-foot by 6-foot reinforced concrete box irrigation tunnel through the levee, 27.5 feet below the crown. (Tunnels installed in 1916, but mentioned in Permit No. 3278, 1960 - Olive Percy Daris). Pipes tie into tunnels at standpipes on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/22/2019 10:51:45 AM					

LM Start	39.18	Rating **	M	Issue No.	1656 (cont)
LM End	39.18	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54197_79845.jpg



Pumping platform at WS toe

Photo 2 of 3 : UCIP_FA_2019_54197_79843.jpg



3'X6' concrete irrigation tunnel through the levee. Pipe is sealed at its entrance

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	39.18	Rating **	M	Issue No.	1656 (cont)
LM End	39.18	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.143261 °	39.143261 °
				-121.939707 °	-121.939707 °
DWR ID	20279				
Comment Code					
Inspector Comment					
DS_ID:20279 FS_ID:54197 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 3-foot by 6-foot reinforced concrete box irrigation tunnel through the levee, 27.5 feet below the crown. (Tunnels installed in 1916, but mentioned in Permit No. 3278, 1960 - Olive Percy Daris). Pipes tie into tunnels at standpipes on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/22/2019 10:51:45 AM					

Photo 3 of 3 : UCIP_FA_2019_54197_79846.jpg



LS slope with crossing appurtenances

LM Start	39.18	Rating **	M	Issue No.	1657
LM End	39.18	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.143262 °	39.143262 °
				-121.939668 °	-121.939668 °
DWR ID	20418				
Comment Code					
Inspector Comment					
DS_ID:20418					
FS_ID:54201					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/22/18 Permit not available (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 2 of 2: 3-foot by 6-foot reinforced concrete box irrigation tunnel through the levee, 27.5 feet below the crown. Pipe runs through concrete tunnel. Tunnel installed in 1916. (Mentioned in Permit No. 3278, 1960 - Olive Percy Davis). [Additional Reference(s): DWR Levee Log, 2006].					
FS Date: 5/22/2019 2:08:00 PM					

Photo 1 of 3 : UCIP_FA_2019_54201_17802.jpg



Pipe running through 3'X6' concrete tunnel at LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	39.18	Rating **	M	Issue No.	1657 (cont)	
LM End	39.18	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.143262 °		39.143262 °
				-121.939668 °		-121.939668 °
DWR ID	20418					
Comment Code						
Inspector Comment						
DS_ID:20418 FS_ID:54201 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/18 Permit not available (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 3-foot by 6-foot reinforced concrete box irrigation tunnel through the levee, 27.5 feet below the crown. Pipe runs through concrete tunnel. Tunnel installed in 1916. (Mentioned in Permit No. 3278, 1960 - Olive Percy Davis). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/22/2019 2:08:00 PM						

Photo 2 of 3 : UCIP_FA_2019_54201_79864.jpg



Pumping platform on WS berm

LM Start	39.18	Rating **	M	Issue No.	1657 (cont)
LM End	39.18	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_54201_79865.jpg



Concrete tunnel opens in concrete structure on LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	39.33	Rating **	M	Issue No.	1658	
LM End	39.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.144834 °	39.144834 °	
				-121.937892 °	-121.937892 °	
DWR ID	22965					
Comment Code						
Inspector Comment						
DS_ID:22965						
FS_ID:54203						
EP_NO: 9341						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 2-inch electrical conduit of an unknown material through the levee, at an unknown depth. Provides power for pump on waterside (WS) berm.						
FS Date: 5/22/2019 2:45:10 PM						

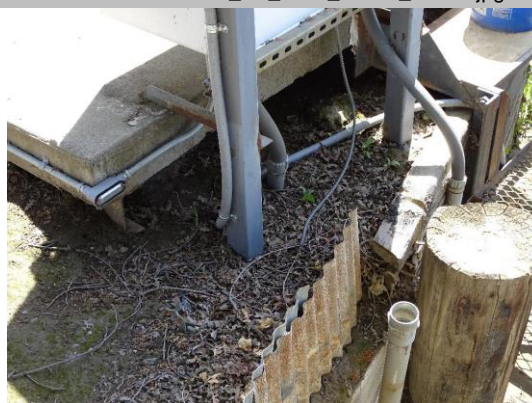
Photo 1 of 3 : UCIP_FA_2019_54203_79868.jpg



Pump on WS berm

LM Start	39.33	Rating **	M	Issue No.	1658 (cont)
LM End	39.33	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54203_79869.jpg



Conduit coming out of ground at pumping platform

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	39.33	Rating **	M	Issue No.	1658 (cont)	
LM End	39.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.144834 °	39.144834 °	
				-121.937892 °	-121.937892 °	
DWR ID	22965					
Comment Code						
Inspector Comment						
DS_ID:22965 FS_ID:54203 EP_NO: 9341 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2-inch electrical conduit of an unknown material through the levee, at an unknown depth. Provides power for pump on waterside (WS) berm. FS Date: 5/22/2019 2:45:10 PM						

Photo 3 of 3 : UCIP_FA_2019_54203_79870.jpg



Electical panel and conduit at service pole

LM Start	39.33	Rating **	M	Issue No.	1659	
LM End	39.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.144834 °	39.144834 °	
				-121.937892 °	-121.937892 °	
DWR ID	20280					
Comment Code						
Inspector Comment						
DS_ID:20280 FS_ID:54204 EP_NO: 9341 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Pipe between pump and riverbank was replaced. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch reinforced concrete irrigation pipe through the levee, 21 feet below the crown. Slide gate on the waterside (WS) end in a concrete surge box with flap gates. Pump platform on the WS berm. Pipe discharges into a concrete riser at the toe of the landside (LS) slope. (Automatic Board Order (ABO) issued as Permit No. 9341, 1974 - F. J. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 39.82)]. FS Date: 5/22/2019 2:46:43 PM						

Photo 1 of 3 : UCIP_FA_2019_54204_79873.jpg



LS slope at crossing. Concrete standpipe at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	39.33	Rating **	M	Issue No.	1659 (cont)
LM End	39.33	Issue Type +	En	Location *	

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	39.80	Rating **	M	Issue No.	1660
LM End	39.80	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.143275 °	39.143275 °
				-121.929597 °	-121.929597 °
DWR ID	20281				
Comment Code					
Inspector Comment					
DS_ID:20281					
FS_ID:54206					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: 05/22/2019 Crossing not found (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 8-inch pipe of an unknown material and type across the levee. High berm.					
FS Date: 5/22/2019 12:48:06 PM					

No Photos

LM Start	39.85	Rating **	C	Issue No.	118
LM End	39.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.143354 °	39.143354 °
				-121.928754 °	-121.928754 °
DWR ID	DWR_NA0016_01_s_2019_118				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes are located on the landside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

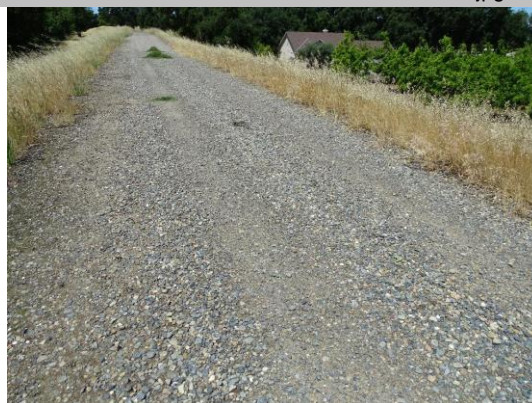
Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	39.93	Rating **	M	Issue No.	1661	
LM End	39.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.143387 °	39.143387 °	
				-121.927196 °	-121.927196 °	
DWR ID	20282					
Comment Code						
Inspector Comment						
DS_ID:20282 FS_ID:54207 EP_NO: 635 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Water is high, no pipe visible at riverbank. (O.Yakimov - DWR UCIP)03/21/2013 Pipe appears to have been removed from levee section. Need to verify pipe abandonment. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Switch house on the waterside (WS) shoulder. Pump and gate valve on the WS bank. Concrete discharge standpipe on the landside (LS). (For a 14-inch pipe, Permit No. 635, 1935 - Henry F. Schmidt). (Automatic Board Order (ABO) issued as Permit No. 9351, 1974 - W. A. Gerrans). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 40.43)]. FS Date: 5/22/2019 8:16:21 AM						

LM Start	39.93	Rating **	M	Issue No.	1661 (cont)
LM End	39.93	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54207_79878.jpg



Levee crown at crossing

Photo 2 of 3 : UCIP_FA_2019_54207_79879.jpg



Concrete standpipe at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	39.93	Rating **	M	Issue No.	1661 (cont)	
LM End	39.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.143387 °	39.143387 °	
				-121.927196 °	-121.927196 °	
DWR ID	20282					
Comment Code						
Inspector Comment						
DS_ID:20282 FS_ID:54207 EP_NO: 635 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Water is high, no pipe visible at riverbank. (O.Yakimov - DWR UCIP)03/21/2013 Pipe appears to have been removed from levee section. Need to verify pipe abandonment. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Switch house on the waterside (WS) shoulder. Pump and gate valve on the WS bank. Concrete discharge standpipe on the landside (LS). (For a 14-inch pipe, Permit No. 635, 1935 - Henry F. Schmidt). (Automatic Board Order (ABO) issued as Permit No. 9351, 1974 - W. A. Gerrans). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 40.43)]. FS Date: 5/22/2019 8:16:21 AM						

Photo 3 of 3 : UCIP_FA_2019_54207_17853.jpg



Pipe visible at WS toe.

LM Start	39.93	Rating **	M	Issue No.	1662
LM End	39.93	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.143387 °	39.143387 °
				-121.927196 °	-121.927196 °
DWR ID	22966				
Comment Code					
Inspector Comment					
DS_ID:22966 FS_ID:54208 EP_NO: 9352 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Conduit is visible in LS slope. (O.Yakimov - DWR UCIP)03/21/2013 Pipe should be removed. FIELD_STRUCT_DESC: 1.5-inch galvanized steel electrical conduit through the levee, at an unknown depth. Visible on the waterside (WS) slope. (Permit No. 635, 1935 - Henry F. Schmidt). FS Date: 5/22/2019 8:25:07 AM					

Photo 1 of 2 : UCIP_FA_2019_54208_79881.jpg



Electrical conduit approximately perpendicular to concrete riser on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	39.93	Rating **	M	Issue No.	1662 (cont)	
LM End	39.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.143387 °	39.143387 °	
				-121.927196 °	-121.927196 °	
DWR ID	22966					
Comment Code						
Inspector Comment						
DS_ID:22966 FS_ID:54208 EP_NO: 9352 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Conduit is visible in LS slope. (O.Yakimov - DWR UCIP)03/21/2013 Pipe should be removed. FIELD_STRUCT_DESC: 1.5-inch galvanized steel electrical conduit through the levee, at an unknown depth. Visible on the waterside (WS) slope. (Permit No. 635, 1935 - Henry F. Schmidt). FS Date: 5/22/2019 8:25:07 AM						

Photo 2 of 2 : UCIP_FA_2019_54208_79882.jpg



Electical conduit on WS slope

LM Start	40.36	Rating **	M	Issue No.	1663
LM End	40.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.142602 °	39.142602 °
				-121.919804 °	-121.919804 °
DWR ID	20283				
Comment Code					
Inspector Comment					
DS_ID:20283					
FS_ID:54209					
EP_NO: 1508					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 05/22/2019 Unable to locate a sign on WS berm.					
Crossing alignment needs markers. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 4-inch telephone cable of an unknown					
material through the levee, 4 feet below the crown. Old rusty sign at					
waterside (WS) toe of levee. (Permit No. 1508, 1950 - PT&T).					
[Additional Reference(s): DWR Levee Log, 2006].					
FS Date: 5/22/2019 8:41:06 AM					

Photo 1 of 1 : UCIP_FA_2019_54209_17855.jpg



rusty sign on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	40.44	Rating **	M	Issue No.	1664	
LM End	40.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.143838 °	39.143838 °	
				-121.919338 °	-121.919338 °	
DWR ID	20285					
Comment Code						
Inspector Comment						
DS_ID:20285 FS_ID:54212 EP_NO: 12799 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Pipe is capped at WS toe. If pipe is abandoned then should be done properly. (O.Yakimov - DWR UCIP)03/21/2013 Pipe appears abandoned. Need to verify type of abandonment FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 6.5 feet below the crown. 30-inch corrugated metal standpipe on landside (LS) toe. Pump on the waterside (WS) toe. Vent inside a 12-inch corrugated metal riser unit on the WS shoulder. (Permit No. 12799, 1979 - Bruce Myers). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/22/2019 10:13:13 AM						

LM Start	40.44	Rating **	M	Issue No.	1664 (cont)
LM End	40.44	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54212_79888.jpg



12-inch CMP riser on WS shoulder

Photo 2 of 3 : UCIP_FA_2019_54212_79891.jpg



Air vent in CMP riser on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	40.44	Rating **	M	Issue No.	1664 (cont)	
LM End	40.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.143838 °	39.143838 °	
				-121.919338 °	-121.919338 °	
DWR ID	20285					
Comment Code						
Inspector Comment						
DS_ID:20285 FS_ID:54212 EP_NO: 12799 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Pipe is capped at WS toe. If pipe is abandoned then should be done properly. (O.Yakimov - DWR UCIP)03/21/2013 Pipe appears abandoned. Need to verify type of abandonment FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 6.5 feet below the crown. 30-inch corrugated metal standpipe on landside (LS) toe. Pump on the waterside (WS) toe. Vent inside a 12-inch corrugated metal riser unit on the WS shoulder. (Permit No. 12799, 1979 - Bruce Myers). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/22/2019 10:13:13 AM						

Photo 3 of 3 : UCIP_FA_2019_54212_79889.jpg



Bolted cap over pipe at WS toe

LM Start	40.64	Rating **	M	Issue No.	102
LM End	40.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.146602 °	39.147582 °
				-121.918897 °	-121.918429 °
DWR ID	DWR_NA0016_01_s_2015_102				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0016_435_102_20190829_00038.jpg



View of owner's fence on landside. Fall 2016 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	40.69	Rating **	M	Issue No.	1665	
LM End	40.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.147151°	39.147151°	
				-121.918456°	-121.918456°	
DWR ID	20318					
Comment Code						
Inspector Comment						
DS_ID:20318						
FS_ID:54213						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 05/22/2019 Crossing has a missing permit.						
(O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 3-inch steel gas pipeline through the levee,						
4.0 feet below the crown. Concrete vault and sign on the waterside						
(WS) shoulder.						
FS Date: 5/22/2019 11:01:31 AM						

Photo 1 of 3 : UCIP_FA_2019_54213_79892.jpg



Gasline markers and concrete vault on WS shoulder

LM Start	40.69	Rating **	M	Issue No.	1665 (cont)
LM End	40.69	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54213_79893.jpg



Gasline sign on WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	40.69	Rating **	M	Issue No.	1665 (cont)	
LM End	40.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.147151°	39.147151°	
				-121.918456°	-121.918456°	
DWR ID	20318					
Comment Code						
Inspector Comment						
DS_ID:20318						
FS_ID:54213						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 05/22/2019 Crossing has a missing permit.						
(O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 3-inch steel gas pipeline through the levee,						
4.0 feet below the crown. Concrete vault and sign on the waterside						
(WS) shoulder.						
FS Date: 5/22/2019 11:01:31 AM						

Photo 3 of 3 : UCIP_FA_2019_54213_79894.jpg



Warning tag on vault cover

LM Start	40.89	Rating **	M	Issue No.	1666	
LM End	40.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.150054 °		39.150054 °
				-121.918717 °		-121.918717 °
DWR ID	20287					
Comment Code						
Inspector Comment						
DS_ID:20287 FS_ID:54215 EP_NO: 9351 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Damaged C-shaped concrete headwall at LS toe. Crossing looks abandoned. If not in use then should be abandoned properly. (O.Yakimov - DWR UCIP)03/21/2013 Appears abandoned. Should be abandoned properly. FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe through the levee, 17.5 feet below the crown. Slide gate on the waterside (WS) end. Discharges into a concrete box at the landside (LS) toe. Small pump discharges into a sump area in front of slide gate at WS toe. (Automatic Board Order (ABO) issued as Permit No. 9351, 1974 - W. A. Gerrans). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.39)]. FS Date: 5/22/2019 11:38:11 AM						

Photo 1 of 3 : UCIP_FA_2019_54215_79900.jpg



Abandoned small pump on WS berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	40.89	Rating **	M	Issue No.	1666 (cont)	
LM End	40.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.150054 °	39.150054 °	
				-121.918717 °	-121.918717 °	
DWR ID	20287					
Comment Code						
Inspector Comment						
DS_ID:20287 FS_ID:54215 EP_NO: 9351 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Damaged C-shaped concrete headwall at LS toe. Crossing looks abandoned. If not in use then should be abandoned properly. (O.Yakimov - DWR UCIP)03/21/2013 Appears abandoned. Should be abandoned properly. FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe through the levee, 17.5 feet below the crown. Slide gate on the waterside (WS) end. Discharges into a concrete box at the landside (LS) toe. Small pump discharges into a sump area in front of slide gate at WS toe. (Automatic Board Order (ABO) issued as Permit No. 9351, 1974 - W. A. Gerrans). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.39)]. FS Date: 5/22/2019 11:38:11 AM						

Photo 2 of 3 : UCIP_FA_2019_54215_79899.jpg



Slide gate at WS toe

LM Start	40.89	Rating **	M	Issue No.	1666 (cont)
LM End	40.89	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_54215_79901.jpg



Slide gate at WS toe and sump area in front of slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	41.08	Rating **	M	Issue No.	1667	
LM End	41.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.152347 °	39.152347 °	
				-121.920610 °	-121.920610 °	
DWR ID	20288					
Comment Code						
Inspector Comment						
DS_ID:20288 FS_ID:54216 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 CMP riser on WS shoulder missing a cover that creates fall hazard. A new electrical conduit is noticed on WS berm near pipe alignment. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 19 feet below the crown. 6-foot diameter corrugated metal standpipe on the landside (LS) toe. Pump and 24-inch pipe on the LS. Slide gate in corrugated metal riser unit on waterside (WS) slope. Concrete block wall at WS toe for discharge line. (Modified under Permit No. 8587, 1973 - Anthony E. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.56)]. FS Date: 5/22/2019 2:35:19 PM						

Photo 1 of 3 : UCIP_FA_2019_54216_79906.jpg



Corrugated metal riser on WS shoulder

LM Start	41.08	Rating **	M	Issue No.	1667 (cont)
LM End	41.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54216_79904.jpg



Concrete block wall at WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	41.08	Rating **	M	Issue No.	1667 (cont)	
LM End	41.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.152347 °	39.152347 °	
				-121.920610 °	-121.920610 °	
DWR ID	20288					
Comment Code						
Inspector Comment						
DS_ID:20288						
FS_ID:54216						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/22/2019 CMP riser on WS shoulder missing a cover that creates fall hazard. A new electrical conduit is noticed on WS berm near pipe alignment. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 19 feet below the crown. 6-foot diameter corrugated metal standpipe on the landside (LS) toe. Pump and 24-inch pipe on the LS. Slide gate in corrugated metal riser unit on waterside (WS) slope. Concrete block wall at WS toe for discharge line. (Modified under Permit No. 8587, 1973 - Anthony E. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.56)].						
FS Date: 5/22/2019 2:35:19 PM						

Photo 3 of 3 : UCIP_FA_2019_54216_79903.jpg



Siphon breaker on pipe at WS toe

LM Start	41.78	Rating **	M	Issue No.	174
LM End	41.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.157988 °	39.157988 °
				-121.931281 °	-121.931281 °
DWR ID	DWR_NA0016_01_f_2019_174				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent hole at the landside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	41.86	Rating **	M	Issue No.	1668	
LM End	41.86	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.158648 °	39.158648 °	
				-121.932429 °	-121.932429 °	
DWR ID	20289					
Comment Code						
Inspector Comment						
DS_ID:20289 FS_ID:54217 EP_NO: 9341 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Uncovered CMP riser on WS shoulder is too low. Potential fall hazard. Slide gate in CMP riser buried in soil and not operable. (O.Yakimov - DWR UCIP)03/21/2013 Appears abandoned. Needs to be abandoned properly. FIELD_STRUCT_DESC: 30-inch irrigation pipe of an unknown material through the levee, 19.5 feet below the crown. Slide gate in a 36-inch corrugated metal riser unit on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 9341, 1974 - F. J. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 42.37)]. FS Date: 5/22/2019 3:32:10 PM						

LM Start	41.86	Rating **	M	Issue No.	1668 (cont)
LM End	41.86	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54217_79908.jpg



WS slope with 36-inch CMP riser

Photo 2 of 3 : UCIP_FA_2019_54217_79909.jpg



Missing cover of CMP riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	41.86	Rating **	M	Issue No.	1668 (cont)
LM End	41.86	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.158648 °	39.158648 °	
			-121.932429 °	-121.932429 °	
DWR ID	20289				
Comment Code					
Inspector Comment					
DS_ID:20289 FS_ID:54217 EP_NO: 9341 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 Uncovered CMP riser on WS shoulder is too low. Potential fall hazard. Slide gate in CMP riser buried in soil and not operable. (O.Yakimov - DWR UCIP)03/21/2013 Appears abandoned. Needs to be abandoned properly. FIELD_STRUCT_DESC: 30-inch irrigation pipe of an unknown material through the levee, 19.5 feet below the crown. Slide gate in a 36-inch corrugated metal riser unit on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 9341, 1974 - F. J. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 42.37)]. FS Date: 5/22/2019 3:32:10 PM					

Photo 3 of 3 : UCIP_FA_2019_54217_79910.jpg



Inside view of CMP riser WS slope. Slide gate is covered with soil

LM Start	42.24	Rating **	M	Issue No.	103
LM End	43.14	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.163132 °	39.175351 °	
			-121.936185 °	-121.941780 °	
DWR ID	DWR_NA0016_01_s_2015_103				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	42.46	Rating **	M	Issue No.	1669	
LM End	42.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.166144 °	39.166144 °	
				-121.937452 °	-121.937452 °	
DWR ID	20290					
Comment Code						
Inspector Comment						
DS_ID:20290 FS_ID:54218 EP_NO: 9341 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe through the levee, 19.5 feet below the crown. Slide gate inside a corrugated metal riser unit on the waterside (WS) slope. Pipe discharges into a concrete distribution box at a canal on the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9341, 1974 - F. J. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 42.98)]. FS Date: 5/22/2019 3:50:26 PM						

LM Start	42.46	Rating **	M	Issue No.	1669 (cont)
LM End	42.46	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54218_79914.jpg



CMP riser on WS slope

Photo 2 of 3 : UCIP_FA_2019_54218_79913.jpg



Inside view of CMP riser on WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	42.46	Rating **	M	Issue No.	1669 (cont)	
LM End	42.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.166144 °	39.166144 °	
				-121.937452 °	-121.937452 °	
DWR ID	20290					
Comment Code						
Inspector Comment						
DS_ID:20290 FS_ID:54218 EP_NO: 9341 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/22/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe through the levee, 19.5 feet below the crown. Slide gate inside a corrugated metal riser unit on the waterside (WS) slope. Pipe discharges into a concrete distribution box at a canal on the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9341, 1974 - F. J. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 42.98)]. FS Date: 5/22/2019 3:50:26 PM						

Photo 3 of 3 : UCIP_FA_2019_54218_79915.jpg



Pipe at river's edge

LM Start	42.47	Rating **	A/W	Issue No.	119
LM End	42.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.166313 °	39.166313 °
				-121.937546 °	-121.937546 °
DWR ID	DWR_NA0016_01_s_2019_119				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There appears to be a new erosion on the waterside berm. Recommend monitoring.					

Photo 1 of 1 : FA_2019_NA0016_435_119_20190829_00053.jpg



View of erosion from the crown. Spring 2019.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	42.65	Rating **	M	Issue No.	1670	
LM End	42.65	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.168893 °	39.168893 °	
				-121.938372 °	-121.938372 °	
DWR ID	20291					
Comment Code						
Inspector Comment						
DS_ID:20291						
FS_ID:54220						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch plastic pipe of an unknown type through the levee, at an unknown depth. Siphon breaker on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2006].						
FS Date: 5/23/2019 11:50:09 AM						

No Photos

LM Start	42.73	Rating **	C	Issue No.	146
LM End	42.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.169949 °	39.169949 °
				-121.938664 °	-121.938664 °
DWR ID	DWR_NA0016_01_f_2015_146				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	42.90	Rating **	A/W	Issue No.	95
LM End	43.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.172501 °	39.174949 °
				-121.939053 °	-121.940737 °
DWR ID	DWR_NA0016_01_f_2018_95				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 136.6 R					
Status: Eroding					
2017 Field Notes: New erosion observed along the entire bank slope.					
Site History: 2010 - Lower portion of 136.7 that did not extend far enough. Abrupt transition from upstream site. 2012 - Site extended upstream, minor new erosion. 2013 - Minor new erosion at the toe.					
New tree popout. Downstream limit extended. 2016 - Site continues to worsen, fresh erosion at toe.					

Photo 1 of 1 : FA_2019_NA0016_435_95_20190829_00033.jpg



USACE 2013 Photo #1

LM Start	43.05	Rating **	M	Issue No.	1671
LM End	43.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.174301 °	39.174301 °
				-121.940811 °	-121.940811 °
DWR ID	25485				
Comment Code					
Inspector Comment					
DS_ID:25485 FS_ID:54219 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 Unauthorized encroachment. (O.Yakimov - DWR UCIP)05/23/2018 Contacted NA0016 superintendent about history and current status of the crossing. Confirmed that LMA has no additional information about this crossing that was put in before spring of 2017 (DWR UCIP-O.Yakimov) FIELD_STRUCT_DESC: 4-inch polyvinyl chloride (PVC) irrigation pipe through the levee, of an unknown depth below crown. Siphon breaker off landside (LS) shoulder. The pipe irrigates landscape on the waterside of the levee and is not permitted. Pipe found by DWR inspector Zach Jojola during Spring 2017 inspection. FS Date: 5/23/2019 4:05:59 PM					

Photo 1 of 3 : UCIP_FA_2019_54219_79919.jpg



Levee crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	43.05	Rating **	M	Issue No.	1671 (cont)	
LM End	43.05	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.174301 °	39.174301 °	
				-121.940811 °	-121.940811 °	
DWR ID	25485					
Comment Code						
Inspector Comment						
DS_ID:25485 FS_ID:54219 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 Unauthorized encroachment. (O.Yakimov - DWR UCIP)05/23/2018 Contacted NA0016 superintendent about history and current status of the crossing. Confirmed that LMA has no additional information about this crossing that was put in before spring of 2017 (DWR UCIP-O.Yakimov) FIELD_STRUCT_DESC: 4-inch polyvinyl chloride (PVC) irrigation pipe through the levee, of an unknown depth below crown. Siphon breaker off landside (LS) shoulder. The pipe irrigates landscape on the waterside of the levee and is not permitted. Pipe found by DWR inspector Zach Jojola during Spring 2017 inspection. FS Date: 5/23/2019 4:05:59 PM						

LM Start	43.05	Rating **	M	Issue No.	1671 (cont)
LM End	43.05	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54219_79920.jpg



WS slope at crossing

Photo 3 of 3 : UCIP_FA_2019_54219_79921.jpg



Air vent on unauthorized PVC pipe through the levee

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	43.24	Rating **	U	Issue No.	46
LM End	43.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176429 °	39.176429 °
				-121.942889 °	-121.942889 °
DWR ID	DWR_NA0016_01_s_2012_46				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0016_435_46_20190829_00016.jpg



A solid fence along the toe of the levee. Photo taken spring 2012.

LM Start	43.50	Rating **	M	Issue No.	1672
LM End	43.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.179340 °	39.179340 °
				-121.946060 °	-121.946060 °
DWR ID	20292				
Comment Code					
Inspector Comment					
DS_ID:20292 FS_ID:54221 EP_NO: 9344 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 3: 4-foot by 5-foot reinforced concrete box irrigation culvert through the levee, 21 feet below the crown. Slide gate inside a concrete surge box at the waterside (WS) toe. Pump in pump house on the WS slope. Steps on the WS slope. Discharges into a concrete box on the landside (LS). Wash in rock on the WS slope, 4 feet in depth from 36-inch overflow pipe from pump. (Automatic Board Order (ABO) issued as Permit No. 9341, 1974 - F. J. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 44.05)]. FS Date: 5/23/2019 11:52:31 AM					

Photo 1 of 3 : UCIP_FA_2019_54221_79924.jpg



LS slope and concrete structure at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	43.50	Rating **	M	Issue No.	1672 (cont)	
LM End	43.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.179340 °	39.179340 °	
				-121.946060 °	-121.946060 °	
DWR ID	20292					
Comment Code						
Inspector Comment						
DS_ID:20292						
FS_ID:54221						
EP_NO: 9344						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/23/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 2 of 3: 4-foot by 5-foot reinforced concrete box irrigation culvert through the levee, 21 feet below the crown. Slide gate inside a concrete surge box at the waterside (WS) toe. Pump in pump house on the WS slope. Steps on the WS slope. Discharges into a concrete box on the landside (LS). Wash in rock on the WS slope, 4 feet in depth from 36-inch overflow pipe from pump. (Automatic Board Order (ABO) issued as Permit No. 9341, 1974 - F. J. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 44.05)].						
FS Date: 5/23/2019 11:52:31 AM						

LM Start	43.50	Rating **	M	Issue No.	1672 (cont)
LM End	43.50	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54221_79925.jpg



WS slope, steps, and pumphouse on WS

Photo 3 of 3 : UCIP_FA_2019_54221_79926.jpg



4' x 5' concrete culvert at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	43.71	Rating **	M	Issue No.	1673	
LM End	43.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.182259 °	39.182259 °	
				-121.946379 °	-121.946379 °	
DWR ID	20406					
Comment Code						
Inspector Comment						
DS_ID:20406 FS_ID:54222 EP_NO: 5307 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/23/2019 Electrical conduit through levee not found. Pump on WS berm is connected via overhead line. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 1.5-inch steel electrical conduit through the levee, 5.3 feet below the crown. Slant pump on the waterside (WS) bank. Siphon breaker inside a 24-inch corrugated metal riser unit on the landside (LS) shoulder. Pipe discharges into a concrete box at the LS toe. (Permit No. 5307, 1966 - George Steidlmayer). FS Date: 5/23/2019 1:15:13 PM						

No Photos

LM Start	43.71	Rating **	M	Issue No.	1674
LM End	43.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.182278 °	39.182278 °
				-121.946404 °	-121.946404 °
DWR ID	20293				
Comment Code					
Inspector Comment					
DS_ID:20293 FS_ID:54223 EP_NO: 5307 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Uncovered CMP riser is too low. Potential fall hazard. Gap between concrete box and LS toe was filled with concrete. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation pipe through the levee, 5.3 feet below the crown. Metal cutoff wall. Slant pump on the waterside (WS) bank. Siphon breaker inside a 31-inch corrugated metal riser unit on the landside (LS) shoulder. Discharges into a concrete box at the LS toe. (Permit No. 5307, 1966 - George Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/23/2019 1:18:17 PM					

Photo 1 of 3 : UCIP_FA_2019_54223_79931.jpg



Pumping platform on WS berm looking from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	43.71	Rating **	M	Issue No.	1674 (cont)	
LM End	43.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.182278 °	39.182278 °	
				-121.946404 °	-121.946404 °	
DWR ID	20293					
Comment Code						
Inspector Comment						
DS_ID:20293 FS_ID:54223 EP_NO: 5307 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Uncovered CMP riser is too low. Potential fall hazard. Gap between concrete box and LS toe was filled with concrete. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation pipe through the levee, 5.3 feet below the crown. Metal cutoff wall. Slant pump on the waterside (WS) bank. Siphon breaker inside a 31-inch corrugated metal riser unit on the landside (LS) shoulder. Discharges into a concrete box at the LS toe. (Permit No. 5307, 1966 - George Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/23/2019 1:18:17 PM						

LM Start	43.71	Rating **	M	Issue No.	1674 (cont)
LM End	43.71	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54223_79930.jpg



Slant pump on WS berm

Photo 3 of 3 : UCIP_FA_2019_54223_79932.jpg



LS slope and CMP riser on LS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	45.39	Rating **	A/W	Issue No.	108
LM End	45.90	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.192653°	39.188518°
				-121.952768°	-121.960446°
DWR ID	DWR_NA0016_01_s_2015_108				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : FA_2019_NA0016_435_108_20190829_00041.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

LM Start	45.39	Rating **	A/W	Issue No.	108 (cont)
LM End	45.90	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : FA_2019_NA0016_435_108_20190829_00042.jpg



Sign stating revegetation site. Spring 2016.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	45.57	Rating **	M	Issue No.	1675
LM End	45.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.191516 °	39.191516 °
				-121.955802 °	-121.955802 °
DWR ID	20294				
Comment Code					
Inspector Comment					
DS_ID:20294					
FS_ID:54224					
EP_NO: 9344					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/23/2019 Pump is connected via overhead electrical line. No issues recorded during inspection. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 3 of 3: 24-inch steel irrigation pipe through the levee, 5.7 feet below the crown. Pump in pump house on the waterside (WS) bank. Gate valve inside the pump house. Discharges into an irrigation ditch on the landside (LS). (Automatic Board Order (ABO) issued as Permit No. 9344, 1974 - George E. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 46.06)].					
FS Date: 5/23/2019 2:00:17 PM					

LM Start	45.57	Rating **	M	Issue No.	1675 (cont)
LM End	45.57	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54224_79940.jpg



Old pumphouse on WS berm

Photo 2 of 3 : UCIP_FA_2019_54224_79941.jpg



Electrical panels inside old pumphouse

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	45.57	Rating **	M	Issue No.	1675 (cont)	
LM End	45.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.191516 °	39.191516 °	
				-121.955802 °	-121.955802 °	
DWR ID	20294					
Comment Code						
Inspector Comment						
DS_ID:20294 FS_ID:54224 EP_NO: 9344 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 Pump is connected via overhead electrical line. No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3 of 3: 24-inch steel irrigation pipe through the levee, 5.7 feet below the crown. Pump in pump house on the waterside (WS) bank. Gate valve inside the pump house. Discharges into an irrigation ditch on the landside (LS). (Automatic Board Order (ABO) issued as Permit No. 9344, 1974 - George E. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 46.06)]. FS Date: 5/23/2019 2:00:17 PM						

Photo 3 of 3 : UCIP_FA_2019_54224_79936.jpg



Intake pipe and shutoff valve at riverbank

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	46.01	Rating **	M	Issue No.	1676	
LM End	46.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.187497°	39.187497°	
				-121.962074°	-121.962074°	
DWR ID	20314					
Comment Code						
Inspector Comment						
DS_ID:20314 FS_ID:54225 EP_NO: 15763 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 Found capped pipe at WS toe. (O.Yakimov - DWR UCIP)Fresno valve on WS shoulder is broken. Pipe appears to be abandoned. Need to abandon properly if necessary. site visit on 10/09/2015 indicates water is present somewhere along the waterside levee slope. Possibly siphon breaker or fresno valve sprays and drains down levee slope from WS shoulder. internal inspection of pipe recommended to determine source of leak. Pipe is active, but can be removed and capped when not in use. FIELD_STRUCT_DESC: 4-inch galvanized steel irrigation pipe through the levee, 2 feet below the crown. Irrigation valve approximately 50 feet landward of the landside (LS) toe. Fresno valve on the waterside (WS) shoulder with connection for pump at the WS berm. (Permit No. 15763, 1991 - Randy Salverson). FS Date: 5/23/2019 2:15:08 PM						

LM Start	46.01	Rating **	M	Issue No.	1676 (cont)
LM End	46.01	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54225_79942.jpg



Siphon breaker/air vent on WS shoulder and levee slope

Photo 2 of 3 : UCIP_FA_2019_54225_79944.jpg



PVC line with shutoff valve and a capped pipe at WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	46.01	Rating **	M	Issue No.	1676 (cont)	
LM End	46.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.187497°		39.187497°
				-121.962074°		-121.962074°
DWR ID	20314					
Comment Code						
Inspector Comment						
DS_ID:20314 FS_ID:54225 EP_NO: 15763 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 Found capped pipe at WS toe. (O.Yakimov - DWR UCIP)Fresno valve on WS shoulder is broken. Pipe appears to be abandoned. Need to abandon properly if necessary. site visit on 10/09/2015 indicates water is present somewhere along the waterside levee slope. Possibly siphon breaker or fresno valve sprays and drains down levee slope from WS shoulder. internal inspection of pipe recommended to determine source of leak. Pipe is active, but can be removed and capped when not in use. FIELD_STRUCT_DESC: 4-inch galvanized steel irrigation pipe through the levee, 2 feet below the crown. Irrigation valve approximately 50 feet landward of the landside (LS) toe. Fresno valve on the waterside (WS) shoulder with connection for pump at the WS berm. (Permit No. 15763, 1991 - Randy Salverson). FS Date: 5/23/2019 2:15:08 PM						

Photo 3 of 3 : UCIP_FA_2019_54225_79945.jpg



Capped pipe at WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	46.23	Rating **	M	Issue No.	1677	
LM End	46.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.186222 °	39.186222 °	
				-121.965821 °	-121.965821 °	
DWR ID	20295					
Comment Code						
Inspector Comment						
DS_ID:20295 FS_ID:54226 EP_NO: 9350 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 Erosion around concrete box at LS berm. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 18-inch irrigation pipe of an unknown material through the levee, 21 feet below the crown. Gate valve and slant pump on the waterside (WS) bank. Switch board on the WS shoulder. Discharges into a 5-foot by 5-foot concrete distribution box on the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9350, 1974 - W. H. Halsey). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 46.73)]. FS Date: 5/23/2019 2:34:30 PM						

LM Start	46.23	Rating **	M	Issue No.	1677 (cont)
LM End	46.23	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54226_17912.jpg



Electrical meter on LS shoulder and slant pump on WS berm.

Photo 2 of 3 : UCIP_FA_2019_54226_17911.jpg



Valve on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	46.23	Rating **	M	Issue No.	1677 (cont)	
LM End	46.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.186222 °	39.186222 °	
				-121.965821 °	-121.965821 °	
DWR ID	20295					
Comment Code						
Inspector Comment						
DS_ID:20295 FS_ID:54226 EP_NO: 9350 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 Erosion around concrete box at LS berm. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 18-inch irrigation pipe of an unknown material through the levee, 21 feet below the crown. Gate valve and slant pump on the waterside (WS) bank. Switch board on the WS shoulder. Discharges into a 5-foot by 5-foot concrete distribution box on the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9350, 1974 - W. H. Halsey). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 46.73)]. FS Date: 5/23/2019 2:34:30 PM						

Photo 3 of 3 : UCIP_FA_2019_54226_17910.jpg



Slide gate on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

Photo 1 of 3 : UCIP_FA_2019_54227_79953.jpg



Levee crown at crossing

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	46.35	Rating **	U	Issue No.	1678 (cont)	
LM End	46.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.186111 °	39.186111 °	
				-121.968069 °	-121.968069 °	
DWR ID	20296					
Comment Code						
Inspector Comment						
DS_ID:20296 FS_ID:54227 EP_NO: 5551 Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/23/2019 No visible changes to crossing status since last inspection. Pipe outlet is disconnected at LS toe which means that pipe not in use. (O.Yakimov - DWR UCIP)10/15/2018 Multiple cracks and points of depression on levee crown pavement (Moon Bend Rd). Sink hole on LS shoulder next to CMP riser. Voids around lower part of CMP riser concrete pad on LS shoulder. Condition of this crossing has worsen since last inspection. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov - DWR)09/23/2016 - A second pipe is visible adjacent to the intake pipe. According to the permit drawings, this pipe is an access pipe for a submersible pump used to clean the fish screen by backwashing. hole on LS shoulder of the levee and Moon Bend Rd. has been patched. No additional road damage is visible. (T. Hatch/UCIP) 09/01/2016 no visible changes from previous inspection. - (T. Hatch/UCIP) 10/09/2015 Possible sink hole along alignment 10-feet LS of siphon breaker on LS slope. Recent road repair along the approximate pipe alignment suggests that levee slumping is related to pipe. It is recommended that further investigation e.g. video inspection or other internal method may help determine if the issue is due to pipe or due to levee settlement in vicinity of the pipe. (T. Hatch/UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 3 feet below the crown. Pump mounted on a piling structure on the waterside (WS) bank. Switch box on the WS shoulder. Siphon breaker inside a 30-inch corrugated metal riser unit on the landside (LS) shoulder. Pipe discharges into a concrete box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9349, 1974 - Ramona Davis). (Pump and pump platform replaced under Permit No. 5551, 1966 - Ramona Davis). (Fish screen installed under Permit No. 17222, 2000 - A&L Rental and Leasing). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/23/2019 7:56:57 AM						

Photo 2 of 3 : UCIP_FA_2019_54227_79954.jpg



CMP riser on LS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	46.35	Rating **	U	Issue No.	1678 (cont)	
LM End	46.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.186111 °	39.186111 °	
				-121.968069 °	-121.968069 °	
DWR ID	20296					
Comment Code						
Inspector Comment						
DS_ID:20296 FS_ID:54227 EP_NO: 5551 Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/23/2019 No visible changes to crossing status since last inspection. Pipe outlet is disconnected at LS toe which means that pipe not in use. (O.Yakimov - DWR UCIP)10/15/2018 Multiple cracks and points of depression on levee crown pavement (Moon Bend Rd). Sink hole on LS shoulder next to CMP riser. Voids around lower part of CMP riser concrete pad on LS shoulder. Condition of this crossing has worsen since last inspection. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov - DWR)09/23/2016 - A second pipe is visible adjacent to the intake pipe. According to the permit drawings, this pipe is an access pipe for a submersible pump used to clean the fish screen by backwashing. hole on LS shoulder of the levee and Moon Bend Rd. has been patched. No additional road damage is visible. (T. Hatch/UCIP) 09/01/2016 no visible changes from previous inspection. - (T. Hatch/UCIP) 10/09/2015 Possible sink hole along alignment 10-feet LS of siphon breaker on LS slope. Recent road repair along the approximate pipe alignment suggests that levee slumping is related to pipe. It is recommended that further investigation e.g. video inspection or other internal method may help determine if the issue is due to pipe or due to levee settlement in vicinity of the pipe. (T. Hatch/UCIP) FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 3 feet below the crown. Pump mounted on a piling structure on the waterside (WS) bank. Switch box on the WS shoulder. Siphon breaker inside a 30-inch corrugated metal riser unit on the landside (LS) shoulder. Pipe discharges into a concrete box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9349, 1974 - Ramona Davis). (Pump and pump platform replaced under Permit No. 5551, 1966 - Ramona Davis). (Fish screen installed under Permit No. 17222, 2000 - A&L Rental and Leasing). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/23/2019 7:56:57 AM						

Photo 3 of 3 : UCIP_FA_2019_54227_79955.jpg



Multiple cracks and poits of depression on levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	47.01	Rating **	M	Issue No.	54
LM End	47.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.188544 °	39.189733 °
				-121.979272 °	-121.981232 °
DWR ID	DWR_NA0016_01_s_2012_54				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cactus on slope and toe of levee, landscape continues along roadway with fence and stairs.					

Photo 1 of 1 : FA_2019_NA0016_435_54_20190829_00017.jpg



View of the landscaping on the landside slope. Spring 2016.

LM Start	47.16	Rating **	M	Issue No.	1679	
LM End	47.16	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.189783 °	39.189783 °	
				-121.981548 °	-121.981548 °	
DWR ID	20298					
Comment Code						
Inspector Comment						
DS_ID:20298 FS_ID:54230 EP_NO: 9347 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/23/2019 Concrete standpipe at LS toe not found. Repeat attempt when vegetation is cleared. (O.Yakimov - DWR UCIP)03/22/2013 Need to verify type of abandonment. FIELD_STRUCT_DESC: 1 of 2: 24-inch irrigation pipe of an unknown material through the levee, 25.5 feet below the crown. 14-inch pipe sleeved through 24-inch pipe. Annular space grouted. Pump inside pump house on the landside (LS). Gate valve inside pump house on the LS. (Automatic Board Order (ABO) issued as Permit No. 9347, 1974 - Floremon Orchards). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 47.71)]. FS Date: 5/23/2019 8:52:46 AM						

Photo 1 of 3 : UCIP_FA_2019_54230_79964.jpg



Levee crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	47.16	Rating **	M	Issue No.	1679 (cont)	
LM End	47.16	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.189783 °	39.189783 °	
				-121.981548 °	-121.981548 °	
DWR ID	20298					
Comment Code						
Inspector Comment						
DS_ID:20298 FS_ID:54230 EP_NO: 9347 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/23/2019 Concrete standpipe at LS toe not found. Repeat attempt when vegetation is cleared. (O.Yakimov - DWR UCIP)03/22/2013 Need to verify type of abandonment. FIELD_STRUCT_DESC: 1 of 2: 24-inch irrigation pipe of an unknown material through the levee, 25.5 feet below the crown. 14-inch pipe sleeved through 24-inch pipe. Annular space grouted. Pump inside pump house on the landside (LS). Gate valve inside pump house on the LS. (Automatic Board Order (ABO) issued as Permit No. 9347, 1974 - Floremon Orchards). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 47.71)]. FS Date: 5/23/2019 8:52:46 AM						

Photo 2 of 3 : UCIP_FA_2019_54230_79963.jpg



View of LS slope where concrete standpipe was located

LM Start	47.16	Rating **	M	Issue No.	1679 (cont)
LM End	47.16	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_54230_17929.jpg



Possible location for pipe crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	47.19	Rating **	A/W	Issue No.	90
LM End	47.62	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.189930 °	39.193491 °
				-121.982143 °	-121.988184 °
DWR ID	DWR_NA0016_01_s_2014_90				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0016_435_90_20190829_00028.jpg



A revegetation site along the waterside berm. Spring 2014

LM Start	47.62	Rating **	A/W	Issue No.	97
LM End	47.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.193769 °	39.195595 °
				-121.987901 °	-121.988621 °
DWR ID	DWR_NA0016_01_f_2018_97				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 141.5 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2010 - Old cobble site starting to unravel at toe. 2011 - Cobbles continue to unravel. 2013 - Site extended downstream to revetment.					

Photo 1 of 1 : FA_2019_NA0016_435_97_20190829_00035.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	47.71	Rating **	M	Issue No.	1680	
LM End	47.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.194772°	39.194772°	
				-121.988886°	-121.988886°	
DWR ID	20309					
Comment Code						
Inspector Comment						
DS_ID:20309 FS_ID:54231 EP_NO: 9347 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/23/2019 Pipe not visible on any of levee sides. Power line is disconnected from junction pole. Electric box at JP is disrupted. Confirm pipe removal. (O.Yakimov - DWR UCIP)03/22/2013 Need to determine type of abandonment. FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 16-inch steel irrigation pipe through the levee, 17.3 feet below the crown. Gate valve on the waterside (WS) end. Pump on the WS bank. Switch box on the WS shoulder. (Automatic Board Order (ABO) issued as Permit No. 9347, 1974 - Floremon Orchards). [Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 131, May 1960 (HLM 48.23)]. FS Date: 5/23/2019						

LM Start	47.71	Rating **	M	Issue No.	1680 (cont)
LM End	47.71	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54231_17940.jpg



JP on WS shoulder for removed pump switch house.

Photo 2 of 3 : UCIP_FA_2019_54231_79965.jpg



Concrete pumphouse debris on WS berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	47.71	Rating **	M	Issue No.	1680 (cont)	
LM End	47.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.194772 °	39.194772 °	
				-121.988886 °	-121.988886 °	
DWR ID	20309					
Comment Code						
Inspector Comment						
DS_ID:20309 FS_ID:54231 EP_NO: 9347 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/23/2019 Pipe not visible on any of levee sides. Power line is disconnected from junction pole. Electric box at JP is disrupted. Confirm pipe removal. (O.Yakimov - DWR UCIP)03/22/2013 Need to determine type of abandonment. FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 16-inch steel irrigation pipe through the levee, 17.3 feet below the crown. Gate valve on the waterside (WS) end. Pump on the WS bank. Switch box on the WS shoulder. (Automatic Board Order (ABO) issued as Permit No. 9347, 1974 - Floremon Orchards). [Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 131, May 1960 (HLM 48.23)]. FS Date: 5/23/2019						

Photo 3 of 3 : UCIP_FA_2019_54231_79966.jpg



Levee crown at crossing

LM Start	47.95	Rating **	A/W	Issue No.	98
LM End	48.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.198117°	39.200685°
				-121.988106°	-121.986717°
DWR ID	DWR_NA0016_01_f_2018_98				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 141.9 R					
Status: Eroding New					
2017 Field Notes: Erosion along entire bank slope. Bank heavily vegetated. Tree popout that has removed a large of bank.					
Site History:					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	47.96	Rating **	A/W	Issue No.	127
LM End	48.03	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.198380 °	39.199330 °
				-121.988603 °	-121.988197 °
DWR ID	SRWLD-04				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:186					
Site Designation:SRWLD-04					
Repair Type: Seepage					
Rating:Serious					
Field Date:7/14/2017					
Notes: Berm will be constructed in 2020.					

LM Start	47.96	Rating **	A/W	Issue No.	127 (cont)
LM End	48.03	Issue Type +	Ob	Location *	

Photo 1 of 3 : LEVAL_FA_2019_186_1636.jpg



Photo 2 of 3 : LEVAL_FA_2019_186_1643.jpg



*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

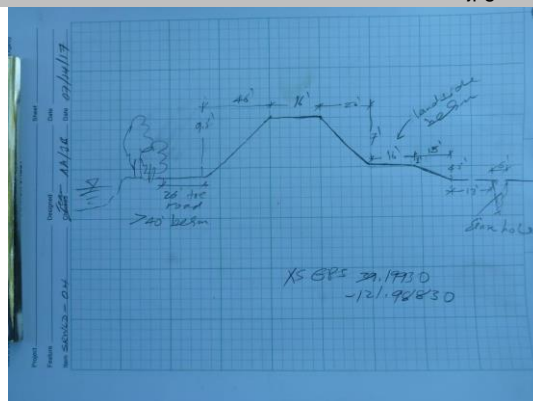
Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	47.96	Rating **	A/W	Issue No.	127 (cont)	
LM End	48.03	Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			39.198380 °	39.199330 °	
				-121.988603 °	-121.988197 °	
DWR ID	SRWLD-04					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:186						
Site Designation:SRWLD-04						
Repair Type: Seepage						
Rating:Serious						
Field Date:7/14/2017						
Notes: Berm will be constructed in 2020.						

Photo 3 of 3 : LEVAL_FA_2019_186_1648.jpg



LM Start	48.10	Rating **	M	Issue No.	1681	
LM End	48.10	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.200248 °	39.200248 °	
				-121.987588 °	-121.987588 °	
DWR ID	20299					
Comment Code						
Inspector Comment						
DS_ID:20299						
FS_ID:54232						
EP_NO: 9343						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/23/2019 Crossing looks abandoned. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 2: 14-inch steel irrigation pipe through the levee, 17.7 feet below the crown. Switch house on the waterside (WS) shoulder. Slant pump and gate valve on the WS bank. Flow meter inside a 14-inch steel standpipe on the landside (LS) toe. Fresno valve inside a 10-inch steel standpipe on the LS toe. Overhead power line crosses the levee. Poles and anchor on the WS slope. (Automatic Board Order (ABO) issued as Permit No. 9343, 1974 - Emile F. Cribari). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 48.64)].						
FS Date: 5/23/2019 11:06:16 AM						

Photo 1 of 3 : UCIP_FA_2019_54232_79969.jpg



Levee crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	48.10	Rating **	M	Issue No.	1681 (cont)	
LM End	48.10	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.200248 °	39.200248 °	
				-121.987588 °	-121.987588 °	
DWR ID	20299					
Comment Code						
Inspector Comment						
DS_ID:20299 FS_ID:54232 EP_NO: 9343 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 Crossing looks abandoned. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 14-inch steel irrigation pipe through the levee, 17.7 feet below the crown. Switch house on the waterside (WS) shoulder. Slant pump and gate valve on the WS bank. Flow meter inside a 14-inch steel standpipe on the landside (LS) toe. Fresno valve inside a 10-inch steel standpipe on the LS toe. Overhead power line crosses the levee. Poles and anchor on the WS slope. (Automatic Board Order (ABO) issued as Permit No. 9343, 1974 - Emile F. Cribari). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 48.64)]. FS Date: 5/23/2019 11:06:16 AM						

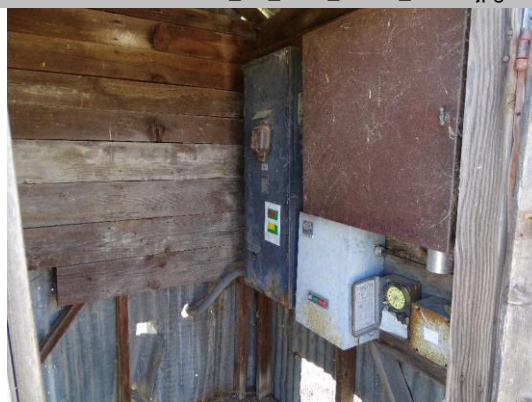
LM Start	48.10	Rating **	M	Issue No.	1681 (cont)
LM End	48.10	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54232_79971.jpg



Abandoned switch house on WS sholder

Photo 3 of 3 : UCIP_FA_2019_54232_79972.jpg



View inside of switch house

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	48.38	Rating **	M	Issue No.	1682	
LM End	48.38	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.203761 °	39.203761 °	
				-121.985220 °	-121.985220 °	
DWR ID	20300					
Comment Code						
Inspector Comment						
DS_ID:20300 FS_ID:54233 EP_NO: 9343 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 Spot of green grass at pipe alignment is noticeable on WS slope. Pump on WS berm is covered with brush and not accessible. (O.Yakimov - DWR UCIP)03/22/2013 Pipe appears to be abandoned. Need to verify type of abandonment. FIELD_STRUCT_DESC: 2 of 2: 24-inch irrigation pipe of an unknown material through the levee, 15.5 feet below the crown. (Pipe measures 12 inches on landside (LS) toe). Slant pump on steel piling structure on the waterside (WS) bank. Butterfly valve at the LS toe. Overhead power line crosses the levee. (Automatic Board Order (ABO) issued as Permit No. 9343, 1974 - Emile F. Cribari). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 48.91)]. FS Date: 5/23/2019 11:42:24 AM						

Photo 1 of 3 : UCIP_FA_2019_54233_79977.jpg



Levee crown at crossing

LM Start	48.38	Rating **	M	Issue No.	1682 (cont)
LM End	48.38	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54233_79978.jpg



Siphon breaker in 30-inch CMP riser on LS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	48.38	Rating **	M	Issue No.	1682 (cont)	
LM End	48.38	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.203761 °	39.203761 °	
				-121.985220 °	-121.985220 °	
DWR ID	20300					
Comment Code						
Inspector Comment						
DS_ID:20300 FS_ID:54233 EP_NO: 9343 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 Spot of green grass at pipe alignment is noticeable on WS slope. Pump on WS berm is covered with brush and not accessible. (O.Yakimov - DWR UCIP)03/22/2013 Pipe appears to be abandoned. Need to verify type of abandonment. FIELD_STRUCT_DESC: 2 of 2: 24-inch irrigation pipe of an unknown material through the levee, 15.5 feet below the crown. (Pipe measures 12 inches on landside (LS) toe). Slant pump on steel piling structure on the waterside (WS) bank. Butterfly valve at the LS toe. Overhead power line crosses the levee. (Automatic Board Order (ABO) issued as Permit No. 9343, 1974 - Emile F. Cribari). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 48.91)]. FS Date: 5/23/2019 11:42:24 AM						

Photo 3 of 3 : UCIP_FA_2019_54233_79979.jpg



Pipe with a butterfly valve at LS toe

LM Start	48.58	Rating **	M	Issue No.	1683
LM End	48.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.206509 °	39.206509 °
				-121.984372 °	-121.984372 °
DWR ID	20351				
Comment Code					
Inspector Comment					
DS_ID:20351 FS_ID:54234 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 0.5-inch drinking water line of an unknown material through the levee, 2.1 feet below the crown. Domestic supply. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.14)]. FS Date: 5/23/2019 11:52:48 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	48.58	Rating **	M	Issue No.	199
LM End	49.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.206495 °	39.213650 °
				-121.984426 °	-121.999883 °
DWR ID	DWR_NA0016_01_s_2017_199				
Comment Code					
FE : Fence					
Inspector Comment					
A fence is along the landside levee toe blocking access.					

Photo 1 of 1 : FA_2019_NA0016_435_199_20190829_00067.jpg



View of fence along landside levee toe. Spring 2017.

LM Start	48.68	Rating **	M	Issue No.	1684
LM End	48.68	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.207294 °	39.207294 °
				-121.985903 °	-121.985903 °
DWR ID	20352				
Comment Code					
Inspector Comment					
DS_ID:20352 FS_ID:54235 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/23/2019 Pipe not found. Confirm pipe removal or abandonment. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 7-inch petroleum pipeline of an unknown material through the levee, 2.6 feet below the crown. Metal support for pipe at landside (LS) toe near Shell Oil Co. property edge. Appears to be abandoned. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.22)]. FS Date: 5/23/2019 11:53:44 AM					

Photo 1 of 3 : UCIP_FA_2019_54235_79981.jpg



Pipe support structure at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	48.68	Rating **	M	Issue No.	1684 (cont)
LM End	48.68	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.207294 °	39.207294 °
				-121.985903 °	-121.985903 °
DWR ID	20352				
Comment Code					
Inspector Comment					
DS_ID:20352 FS_ID:54235 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/23/2019 Pipe not found. Confirm pipe removal or abandonment. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 7-inch petroleum pipeline of an unknown material through the levee, 2.6 feet below the crown. Metal support for pipe at landside (LS) toe near Shell Oil Co. property edge. Appears to be abandoned. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.22)]. FS Date: 5/23/2019 11:53:44 AM					

Photo 2 of 3 : UCIP_FA_2019_54235_79982.jpg



Property/yard at LS toe that could have belonged to Shell

LM Start	48.68	Rating **	M	Issue No.	1684 (cont)
LM End	48.68	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_54235_79983.jpg



Levee crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	48.68	Rating **	M	Issue No.	1685
LM End	48.68	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.207294 °	39.207294 °
				-121.985903 °	-121.985903 °
DWR ID	20407				
Comment Code					
Inspector Comment					
DS_ID:20407 FS_ID:54236 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/23/2019 Pipe not found. Confirm pipe removal or abandonment. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 7-inch oil pipeline of an unknown material through the levee, 2.6 feet below the crown. Metal support for pipe found at landside (LS) toe near Shell Oil Co. property edge. Appears to be abandoned. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.22)]. FS Date: 5/23/2019 2:02:32 PM					

Photo 1 of 3 : UCIP_FA_2019_54236_79984.jpg



Pipe support structure at LS toe

LM Start	48.68	Rating **	M	Issue No.	1685 (cont)
LM End	48.68	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54236_79985.jpg



Property/yard at LS toe that could have belonged to Shell

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	48.68	Rating **	M	Issue No.	1685 (cont)
LM End	48.68	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.207294 °	39.207294 °
				-121.985903 °	-121.985903 °
DWR ID	20407				
Comment Code					
Inspector Comment					
DS_ID:20407 FS_ID:54236 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 05/23/2019 Pipe not found. Confirm pipe removal or abandonment. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 7-inch oil pipeline of an unknown material through the levee, 2.6 feet below the crown. Metal support for pipe found at landside (LS) toe near Shell Oil Co. property edge. Appears to be abandoned. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.22)]. FS Date: 5/23/2019 2:02:32 PM					

Photo 3 of 3 : UCIP_FA_2019_54236_79986.jpg



Levee crown at crossing

LM Start	48.77	Rating **	M	Issue No.	1686
LM End	48.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.207919 °	39.207919 °
				-121.987343 °	-121.987343 °
DWR ID	20353				
Comment Code					
Inspector Comment					
DS_ID:20353 FS_ID:54237 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP)03/22/2013 All four pipes appear to have been removed. FIELD_STRUCT_DESC: 1 of 4: 7-inch petroleum pipeline of an unknown material through the levee, 2.6 feet below the crown. Union Oil Co. dock. (Permit No. 1499, 1950 - Union Oil Company). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.33)]. FS Date: 5/23/2019 2:37:16 PM					

Photo 1 of 2 : UCIP_FA_2019_54237_17960.jpg



Shell yard off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	48.77	Rating **	M	Issue No.	1686 (cont)	
LM End	48.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.207919 °	39.207919 °	
				-121.987343 °	-121.987343 °	
DWR ID	20353					
Comment Code						
Inspector Comment						
DS_ID:20353 FS_ID:54237 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP)03/22/2013 All four pipes appear to have been removed. FIELD_STRUCT_DESC: 1 of 4: 7-inch petroleum pipeline of an unknown material through the levee, 2.6 feet below the crown. Union Oil Co. dock. (Permit No. 1499, 1950 - Union Oil Company). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.33)]. FS Date: 5/23/2019 2:37:16 PM						

Photo 2 of 2 : UCIP_FA_2019_54237_17959.jpg



Shell yard off LS toe.

LM Start	48.77	Rating **	M	Issue No.	1687
LM End	48.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.207926 °	39.207926 °
				-121.987359 °	-121.987359 °
DWR ID	20408				
Comment Code					
Inspector Comment					
DS_ID:20408 FS_ID:54238 EP_NO: 1499 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP)03/22/2013 All four pipes appear to have been removed. FIELD_STRUCT_DESC: 2 of 4: 7-inch petroleum pipeline of an unknown material through the levee, 2.6 feet below the crown. Union Oil Company dock. (Permit No. 1499, 1950 - Union Oil Company). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.33)]. FS Date: 5/23/2019					

Photo 1 of 2 : UCIP_FA_2019_54238_17962.jpg



Shell yard off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	48.77	Rating **	M	Issue No.	1687 (cont)	
LM End	48.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.207926 °	39.207926 °	
				-121.987359 °	-121.987359 °	
DWR ID	20408					
Comment Code						
Inspector Comment						
DS_ID:20408 FS_ID:54238 EP_NO: 1499 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP)03/22/2013 All four pipes appear to have been removed. FIELD_STRUCT_DESC: 2 of 4: 7-inch petroleum pipeline of an unknown material through the levee, 2.6 feet below the crown. Union Oil Company dock. (Permit No. 1499, 1950 - Union Oil Company). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.33)]. FS Date: 5/23/2019						

Photo 2 of 2 : UCIP_FA_2019_54238_17961.jpg



Shell yard off LS toe.

LM Start	48.77	Rating **	M	Issue No.	1688	
LM End	48.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.207935 °		39.207935 °
				-121.987374 °		-121.987374 °
DWR ID	20409					
Comment Code						
Inspector Comment						
DS_ID:20409 FS_ID:54239 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP)03/22/2013 All four pipes appear to have been removed. FIELD_STRUCT_DESC: 3 of 4: 7-inch petroleum pipeline of an unknown material through the levee, 2.6 feet below the crown. Union Oil Company dock. (Permit No. 1499, 1950 - Union Oil Company). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.33)]. FS Date: 5/23/2019						

Photo 1 of 2 : UCIP_FA_2019_54239_17964.jpg



Shell yard off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	48.77	Rating **	M	Issue No.	1688 (cont)	
LM End	48.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.207935 °	39.207935 °	
				-121.987374 °	-121.987374 °	
DWR ID	20409					
Comment Code						
Inspector Comment						
DS_ID:20409 FS_ID:54239 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP)03/22/2013 All four pipes appear to have been removed. FIELD_STRUCT_DESC: 3 of 4: 7-inch petroleum pipeline of an unknown material through the levee, 2.6 feet below the crown. Union Oil Company dock. (Permit No. 1499, 1950 - Union Oil Company). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.33)]. FS Date: 5/23/2019						

Photo 2 of 2 : UCIP_FA_2019_54239_17963.jpg



Shell yard off LS toe.

LM Start	48.77	Rating **	M	Issue No.	1689	
LM End	48.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.207944 °		39.207944 °
				-121.987388 °		-121.987388 °
DWR ID	20410					
Comment Code						
Inspector Comment						
DS_ID:20410 FS_ID:54240 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP)03/22/2013 All four pipes appear to have been removed. FIELD_STRUCT_DESC: 4 of 4: 7-inch petroleum pipeline of an unknown material through the levee, 2.6 feet below the crown. Union Oil Company dock. (Permit No. 1499, 1950 - Union Oil Company). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.33)]. FS Date: 5/23/2019 2:40:06 PM						

Photo 1 of 2 : UCIP_FA_2019_54240_17966.jpg



Shell yard off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	48.77	Rating **	M	Issue No.	1689 (cont)	
LM End	48.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.207944 °	39.207944 °	
				-121.987388 °	-121.987388 °	
DWR ID	20410					
Comment Code						
Inspector Comment						
DS_ID:20410 FS_ID:54240 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP)03/22/2013 All four pipes appear to have been removed. FIELD_STRUCT_DESC: 4 of 4: 7-inch petroleum pipeline of an unknown material through the levee, 2.6 feet below the crown. Union Oil Company dock. (Permit No. 1499, 1950 - Union Oil Company). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.33)]. FS Date: 5/23/2019 2:40:06 PM						

Photo 2 of 2 : UCIP_FA_2019_54240_17965.jpg



Shell yard off LS toe.

LM Start	49.38	Rating **	M	Issue No.	1690
LM End	49.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.213183 °	39.213183 °
				-121.996145 °	-121.996145 °
DWR ID	20354				
Comment Code					
Inspector Comment					
DS_ID:20354 FS_ID:54241 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 26-inch irrigation pipe of an unknown material through the levee, 23.7 feet below the crown. Colusa Irrigation Co. pumping plant. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.95)]. FS Date: 5/23/2019 2:40:53 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	49.38	Rating **	M	Issue No.	1691	
LM End	49.38	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.213186 °	39.213186 °	
				-121.996163 °	-121.996163 °	
DWR ID	20355					
Comment Code						
Inspector Comment						
DS_ID:20355						
FS_ID:54242						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 2: 5-foot by 5-foot reinforced concrete box drainage culvert through the levee, 21 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.95)].						
FS Date: 5/23/2019						

No Photos

LM Start	49.38	Rating **	M	Issue No.	1692	
LM End	49.38	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.213189 °	39.213189 °	
				-121.996181 °	-121.996181 °	
DWR ID	20411					
Comment Code						
Inspector Comment						
DS_ID:20411						
FS_ID:54243						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 05/23/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 2 of 2: 5-foot by 5-foot reinforced concrete box drainage culvert through the levee, 21 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 49.95)].						
FS Date: 5/23/2019						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	49.39	Rating **	M	Issue No.	1693	
LM End	49.39	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.213191 °	39.213191 °	
				-121.996224 °	-121.996224 °	
DWR ID	20412					
Comment Code						
Inspector Comment						
DS_ID:20412						
FS_ID:54244						
EP_NO: 9334						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/23/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 2: 2-inch conduit of an unknown type and material through the levee, 18.5 feet below the crown. Meter pole at the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9334, 1974 - Owner Unknown).						
FS Date: 5/23/2019 2:53:40 PM						

LM Start	49.39	Rating **	M	Issue No.	1693 (cont)
LM End	49.39	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54244_79988.jpg



Disrupted walkway to the pump with conduit visible

Photo 2 of 3 : UCIP_FA_2019_54244_79989.jpg



Conduit at slant pump

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	49.39	Rating **	M	Issue No.	1693 (cont)	
LM End	49.39	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.213191 °	39.213191 °	
				-121.996224 °	-121.996224 °	
DWR ID	20412					
Comment Code						
Inspector Comment						
DS_ID:20412						
FS_ID:54244						
EP_NO: 9334						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/23/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 2: 2-inch conduit of an unknown type and material through the levee, 18.5 feet below the crown. Meter pole at the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9334, 1974 - Owner Unknown).						
FS Date: 5/23/2019 2:53:40 PM						

Photo 3 of 3 : UCIP_FA_2019_54244_79996.jpg



Conduit enters levee at LS toe

LM Start	49.39	Rating **	M	Issue No.	1694
LM End	49.39	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.213202°	39.213202°
				-121.996253°	-121.996253°
DWR ID	20301				
Comment Code					
Inspector Comment					
DS_ID:20301 FS_ID:54245 EP_NO: 9334 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2019 Pipe angles through the levee. Concrete box on LS found 30 feet upstream from pump on WS berm. No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal irrigation pipe through the levee, 18.5 feet below the crown. Vertical pump unit on piling structure in the stream. Concrete pipe collar on the waterside (WS) end. Slide gate inside a 48-inch corrugated metal riser unit on the WS slope. Two corrugated metal cutoff walls. Timber walkway on the WS. Flap gate inside a concrete box on the landside (LS). Meter pole at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9334, 1974 - Owner Unknown). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 5/23/2019 2:28:12 PM					

Photo 1 of 3 : UCIP_FA_2019_54245_79992.jpg



Pump and CMP riser on WS berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Sacramento River West Side Levee District

LM Start	49.39	Rating **	M	Issue No.	1694 (cont)
LM End	49.39	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54245_79994.jpg



Pipes at riverbank

Photo 3 of 3 : UCIP_FA_2019_54245_79995.jpg



Pump with disrupted timber walkway and slide gate inside of CMP riser on WS berm

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/22/2019 10/22/2019	Zach Jojola

LM Start	49.42	Rating **	A/W	Issue No.	113
LM End	49.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.213303 °	39.213303 °
				-121.996915 °	-121.996915 °
DWR ID	DWR_NA0016_01_f_2018_113				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Runoff erosion is located on the waterside berm. Recommend monitoring.					

Photo 1 of 1 : FA_2019_NA0016_435_113_20190829_00047.jpg



View of erosion on the waterside berm. Fall 2018.

LM Start	49.46	Rating **	A/W	Issue No.	105
LM End	49.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.213608 °	39.213869 °
				-121.997543 °	-121.999641 °
DWR ID	DWR_NA0016_01_f_2018_105				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 143.5 R					
Status: Eroding					
2017 Field Notes: New erosion along lower slope.					
Site History: 2011 - Multiple scallops, one tree pop out. Old cobble site starting to unravel at midbank. 2012 - Mid bank slumping continues to worsen but cobble at the toe appears stable.					

Photo 1 of 1 : FA_2019_NA0016_435_105_20190829_00039.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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